

?GG??F? ??????S?O? ??S ?????????S

????G?? G?? ?? ? ???????:
?????OS?? ?S ??G?S ?????G??S
(?????t??? st?at????? ?a?s??d?? d??s??)

?? S????????? ? ? ? ? ? S? S

G? XVII

??S?????? ????S?S

????S??????O?

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??S?????? ????S?S

? ?S? GOG?

? ? e??? ??B??? ??a t?? ?????t??? st?at????? ?a? t? s??d?? d??s??, ?????e?a ??a t? ? ?????: ??a?e?s?µe? ????? ?????e?a?, ??te? ?? e?de?t??? st??? t? 12%, d??ad? t? µe??d?? t?? a?a?e?s?µ?? p???? e????e?a? (???) st?? a?a????st? e?e??e?a?? ?ata????s? t?? ??, µ???? t? 2010. ? s??????? st?at????? ?a? t? s??d?? d??s?? p?? pe????f??ta? st? ?e??? ??B?? p??sd???????? t?? t??p? ?at? t?? ?p??? ?a ep?te????e? ? e? ??? st????: ?a????st??? µ?t?a ??a t? d?µ?????a t?? ?ata????? p???p???se?? t?? p?a?s??? ??a t?? ??? ?a? a???µ??? ???µat?d?t?s? t?? ?? se p????µµata, t?s? e????? ?s? ?a? ?????t??? ep?p?d??.

St?? ?p?fas? t??² ??a t? ?e??? ??B??, t? S?µB????? ??a?e de?t? t?? ?d?a µ?a? ??st?ate?a? ?????s?? (Campaign for Take-Off - CTO) ?? µ?s?? ??a t?? a?a???µa?s? t?? e?d?af????t?? t?? B??µ??a??a?, t?? epe?d?t?? ?a? t?? ?????, ?a???se de t?? ?p?t??p? ?a t?? ?p?B??e? ?ept?µe?e?? p??t?se?? ?a????, ?a? t? ???pa??? ?????B????³, ? ?p?t??p? ?e???e?e??⁴ ?a? ? ? ?????µ??? ?a? ? ? ?????? ?p?t??p? d????a? µe ??a??p???s? t?? ?d?a t?? ??st?ate?a⁵.

? ??st?ate?a ?????s?? p?? p??te??eta? st? ?e??? ??B?? ?a? pe????feta? ?ept?µe??? st? pa??? ???af? e??as?a? ap?te?e? a?ap?spast? µ???? t?? ?????t??? St?at?????. ?e? s?ed?aste? ??a ?a d?se? t? ??a?sua efa?µ???? t?? st?at????? ?a? a?µ??eta? ?a ft?se? st?? ep?t??a t?? st???? t?? µ???? t? 2003. ?p??e?t????ta? t? e?d?af???? t?? se ???su???? Bas???? t?µe?? p?? p??te????ta? ?a? pa???s????ta? pa?a??t?, ? ??st?ate?a p??sd????e? ??a p?a?s?? d??s?? ??a ?a d?se? ?µfas? st?? epe?d?t???? e??a??e? ?a? ?a p??se???se? t?? apa?a?t?t? ?d??t?? ?????at?d?t?s? p?? a?µ??eta? ?t? ?a p??sf??e? t? µe?a?te?? µe??d?? t?? apa?t?µ???? ?efa?a???. ? ??st?ate?a ep?s?? ap?B??pe? st?? e??????s? t?? d?µ?s??? ?a d????ete?se? ???d??a st??? Bas???? t?µe?? ?a? ?a? ?d?? ?a ???e? ?? s?µp????µa t?? ?d??t???? epe?d?se??.

? ? apa?a?t?te? epe?d?se?? ??a t?? ep?te??? t?? st???? t?? e?st?ate?a? ?a p??pe? a???? ?a p???????? ap? t?? ?d??t?? t?µ?a. ?p?µ???? ?t?? eµp???? t?? B??µ??a??a? ?a? ????? epe?d?t?? ?e??e?ta? ???s?µ?? s?µas?a?. ?p?s?? s?µa?t??? e??a? ta ???t? µ??? ?a eµp?a???? ste?? st?? d?ad??as?e? a?t??, t?s? µe t?? p????s? t?? ?d?a? p?? s??ep??eta? ? e?st?ate?a ?s? ?a? µe t?? a??d??s? p????aµµ?t?? ?a? s?ed??? p??? t?? ?ate????s? t?? st???? a?t???. ? ?a S?µp?a?? ??a t?? ??a?e?s?µe? ????? ?????e?a? ?a µp???se ?a ?s????p???se? ?t??a t?? apa?a?t?t? s??e??as?a se ?????t?? ep?ped?.

?at? t?? p??pa?as?e?? t?? ??st?ate?a?, ta ???t? µ??? ?a????ta? ?a d?aB?B?s??? p????f???e? s?et??? µe t?? e? e?e???e? ?a? t?? s?ed?a??µe?e? p????t??? ?a? ta p????µµata st? ??µa t?? ? ? , pe???aµBa??µ???? ?a? t?? p??t?µ?se?? t??? a?af???? µe t?? t?µe?? st??? ?p???? p??pe? ?a

1 COM(97) 599 t?? 26.11.1997. ?????e?a ??a t? µ?????: ??a?e?s?µe? ????? ?????e?a? – ?e??? ??B??? ??a µ?a ?????t??? st?at????? ?a? s??d?? d??s??.

2 ?p?fas? t?? S?µB????? t?? 8?? ?????? 1998 ??a t?? ??a?e?s?µe? ????? ?????e?a?, ?? a???. C 198, 24.6.1998, s. 1.

3 ? ? f?µa t?? 17?? ?????? 1998 t?? ???pa??? ?????B????? ??a t?? a?a????s? t?? ?p?t??p?: ?????e?a ??a t? ? ?????: ??a?e?s?µe? ????? ?????e?a? – ?e??? ??B??? ??a µ?a ?????t??? st?at????? ?a? s??d?? d??s?? (A4-0199/98)

4 G??µ? t?? ?p?t??p?? ?e???e?e??, t?? 16?? ?????? 1998, ??a t? ?e??? ??B?? t?? ?p?t??p?: «????e?a ??a t? µ????: ??a?e?s?µe? ????? ?????e?a?» (CdR 57/98 fin).

5 G??µ? t?? ?????µ???? ?a? ????????? ?p?t??p?? t?? 29?? ?p????? 1998 ??a t?? a?a????s? t?? ?p?t??p?? «????e?a ??a t? µ????: ??a?e?s?µe? ????? ?????e?a?» (CES 633/98).

d??e? p??te?a??ta ?at? t?? ??st?ate?a. ?? s?st?se?? t?? ?????t???? ???????, ?? apa?t?se?? t?? ??at?? me??? ?a??? ?a? ???e ???e? s?et???? p????f????e?, e?d????te?a sta e????? ?a? ?????t??? p?????muata, ???s?mu?????a? ??a t?? s?ed?asmu? t?? ??? ?st?ate?a?. ? ??st?ate?a ?a p??sa?mu?eta? a?????a me t?? a?t?d??se?? p?? ?a s?me????? met? ap? t? d?mu?s?e?s? t?? pa????t?? e????f?? ?a? ?a ??f???? ?p??? ?? ?e?te?e? e?e????e?? st??? ?p??? t?mu??.

St? pa????t?ua V d?deta? pe????? ?a? a????s? t?? p????f????? p?? d?aB?Basa? ta ???t? mu?? ?a t?? e????? t??? p????t???? ?a? ta p?????muata.

I. ?????? ???? S ?S????? S

St? ?e??? ??B??, e?t?p????ta? t?e?? Bas???? t?me??, p?? a?t?st????? se ???me? te???????e? ?? ?p??e? ?e????ta? s?muat???? ?a t?? ep?te??? t?? st???? 12% ???, a??? st???? ? ?p???? ?e???eta? ??p??a a???? ???? ?ste ?a ep?ta????e? ?a? ?a Be?t????e? s?Ba?? ? d?e?sd?s? t??? st?? a????, d?mu????ta? ?ts? ??????mu?e? ???mu?a? ?a? ?at? s???pe?a me??s? t?? ??st???. ? t?ta?t? p??te?a??ta af??? t?? ?????????s? t?? a?a?e?s?mu? p???? e????e?a? se ?????t?te? p?? st??e???? t?? ef?d?asmu? ap? ??? se p?s?st? 100%.

? ? a????? Bas???? t?me?? p?? pa????s????ta? st? ? e??? ??B?? ?? ap?te????te? t?? p????a t?? ??st?ate?a?, ?st?s? pa?amu?????. ?mu??, me B?s? t?? p????f????e? p?? ?????ta? ap? ta ?????t??? ???a?a, ta ???t? mu?? ?a? ap? pe?a?t??? ?e???a, ?? Bas???? t?me?? ????? se ???su???e? pe???pt?se?? epe?ta?e? ?a/? t??p?p????e?, ?p?? e????e?ta? pa?a??t? ?a? st? ?a????t?mu a I.

1. ?as???? t?me??

? ? a???????? Bas???? t?me?? p??te?eta? ?a p????????? ?at? t? d????e?a t?? ??st?ate?a?:

1,000,000 f?t?B??ta??? s?st?muata (F?)

15 e?at?mu????a m² ???a??? s????te?

10,000 MW ap? a?em???e???t??e?

10,000 MWth ap? e??atast?se?? s??d?asmu???? pa?a?? ??? ???mu?s?? ?a? ??e?t??su?? B??mu??a?

1,000,000 ?t????a ?e?mu???me?a ap? B??mu??a

1,000 MW ap? e??atast?se?? B??ae????

5 e?at?mu????a t???? ap? ??? B??a?s?mu

G?a ???e Bas???? t?mu?a p??te?eta? e?de??t???? st????, ? ?p???? a?t?st???e? se pe?????su??? me??d?? (meta?? 15% ?a? 25%) t?? s???????? st???? t?? 2010 p?? p??te?eta? st? ? e??? ??B?? ?a t?? ?p??? t?mu?a. ?? me??d?? a?t? ?aB??e? ?p??? t? s?me???? ep?ped? a?pt???? t?? s????e???mu???? t?mu?a, e?? t? ?????te?? p?s?st? (25%), ??e? te?e?, p.?, ??a t?? a????? e????e?a.

? e B?s? ?ept?me?e?? a?a??se?? (B?. pa????t?mu ?), ???e Bas???? t?mu?a? ??e? d?a??e?e? se tu?muata a?????a me t?? s????e???mu??e? a????, ta ped?a efa?mu???? ? t?? e??st?te p??sfe??me?e? te???????e?. G?a ???e tu?mu ???e? p?????s?e? ? e??atest?mu??? d??amu????ta, p?? ?e????eta? sta p?a?s?a t?? ??st?ate?a?. ??e? ep?s?? a?a?????s?e? ? ?ata????te??? ????? ?a? ???e tu?mu e?d?af ?????t?. ??????a me t?? t?mu?a ?a? t? tu?mu, ? ????? a?t?? ?????eta? e?te sa? mu?a s????e???mu??? pe????? t?? ?? (p.?. ??t ?a ???p?), ? ?? ?a s????e???mu??? p??f?? t?p??, me e?d??? ?a?a?t??st??? p?? mu??e? ?a s??a?t?ta? st? ?daf?? t?? ???s?? (p.?. ap?mu???mu??e? ? a????t???? pe?????, a????t?muata, p??e??, me????a ?t??a ?p.). G?a ???e t?p? ????? ?e? ?p?????s?e? ? d??amu????ta p?? p??pe? ?a e??atasta?e?. ?e???? p??sd????st??e t? e?de??t????

??st?? ???e efa?µ???? st?? ?p??? ????. ?? dap??e? pe???aµß???? t? µ?s? ??st?? µ????da? ?at? t?? pe???d? t?? ??st?ate?a? ?a? t? s???????? apa?t??µe?? ep??d?s?.

? a????s? e?t?p??e? ep?s?? s???e???µ????? "pa??te?" t?? a????? ?? ?p???? µp????? ?a a?a??B??? s?µa?t??? ??? ?a t?? p?a?µat?p???s? t?? ??st?ate?a?. S?µp???e?? (B?. µ???? ??, 1) p?? eup?????? t??? e? ??? pa??te? t?? a????? ?a d?ad?µat?s??? ap?fas?st??? ??? ?a t?? ep?t???a t?? ??st?ate?a?.

?a ???µe?a ?a t?? e??atest?µ??? d??aµ???t?ta ?a? t?? s??afe?? epe?d?t???? dap??e? p?? pa????s????ta? st?? a????s? a?t? ????? ?p????ste? µe B?s? st???e?a p?? d?aß?Base ? e???pa??? B??µ??a??a, ?at? t??p? ?ste ?a ape????????ta? ?? st???? t?? ??st?ate?a? ?a? ? t??p?? ep?te???? t???

? ?p????????µe?? e??atest?µ??? d??aµ???t?ta ?at? t? d????e?a t?? ??st?ate?a? ?a? ?? s????????? apa?t??µe?? epe?d?se?? pa????s????ta? pe????pt??? st? e?de?t??? se????? pa?a??t?:

? ??a?a? I : ??de??t??? se????? ??a t?? a??pt??? Bas??? ? t?µ?? ? 1999-2003

??µ?a?	? as???? d??se?? e?st?ate?a?	?p????????µe?? e??atest?µ??? d??aµ???t?ta	?p????????µe??e? s????????? epe?d?se?? se d?? EURO
?? ?a?? e????e?a	650.000 F? s?st?µata : ??	650 MWp	2,85
	350.000 F? s?st?µata : T???e?	350 MWp	(2,45)
	15 e?at?µ. m ² ???a??? s????te?	15 Mm ²	4,7
? ?????? e????e?a	??eµ??e???t??e? 10.000 MW	10.000 MW	10,1
? ??µ??a	Sta?µ?? s??d?asµ???? ?e?µ?t?ta? ?a? ??e?t??sµ?? B??µ??a? 10.000 MWth .	10.000 MWth	5,5
	1.000.000 ?t???a ?e?µa???µe?a µe B??µ??a	10.000 MWth	4,4
	1.000 MW ap? sta?µ??? B??ae????	1.000 MW	1,2
	5 e?at. ????? ????? B??a?s?µ??	5 e?at. t????	1,25
S?????			30 d?? EURO

Ta p??pe? ?a s?µe???e? ?t? ? s???????? ep??d?s? ??st?ate?a? t?? 30 d?? EURO e??a? ?????te?? ap? a?t?? p?? pa????s????eta? ??a t?? ??st?ate?a st? ?e??? ??B?? (20 d?? EURO). ? eta?e??ste?e? ??e??e? ?a? p????f????e? p?? d?aß?B?st??a? ap? ta ???t? µ??? ?p. ?de??a? ?t? ep?B??eta? ?a p??ste???? 4 ????? Bas???? t?µe?? d??s?? (??a??? s????te?, ???a?? ???µa?s?, B??a???? ?a? ??? B??a?s?µa) st??? ?d? p??te???µe???? Bas???? t?µe?? (pa??t?µa ?, pe??ss?te?a st???e?a).

2. ?????????s? a?a?e?s?µ? ? e?e??e?? ? st?? <100 ?? ???t?te>

????? t?? Bas???? t?µ??, d??µ???? st???? t?? ??st?ate?a?, pa????s????eta? st? ?e??? ??B??, e??a? ? ep????? t?? <100 ?????t?te> p?? ep?d????? ef?d?asµ? 100% ap? ????. ?? p????aµµa "100 ?????t?te?" ?p?? a????? p??te????ta? st? ?????af? e??as?a?, ap??t?se ?d? s?µa?t??? e?d?af???? se ??? t??

?? ?? p????αμμ «100 ?????t?te?» ?a μp????se ?ts? ?a ?ataste? ped?? a?af???? ?a t?? efa?μ??? ap??e?t?μ???? e?e??e?a??? ef?d?asμ??.

G?a ?a Be?t?st?p????e? t? d?a??s?μ? d??αμ??? t?? te????????? a?a?e?s?μ?? e????e?a?, ?a p??pe? a?t?? ?a ???s?μ?p???????? e? pa?a?????? ?p??d?p?te a?t? eufa??eta? ?? ap?te?esuat??? ?s?, e?te se ?????????μ??a s?st?μata ??a t?? t?p??? d????es? ??e?t??su?? e?te se d?espa?μ??a s?st?μata ??a pe??fe?e?a?? pa???? ?e?t????? ?e?μat??. ?a s?st?μata a?t? p??pe? ?a e??a? p??sa?μ?su??a st?? s????e? ???e pe?????, ?ts? ?ste ?a e?asfa??eta? ? ap?te?esuat??? pa???? ?e?t??su?? ?a? μe t?? apa?t??μe?e? p??d?a??af?? p??t?ta? ?a? sta?e??t?ta? st? ?????.

Sta p?a?s?a t?? p????μμat?? «100 ?????t?te?» ????? ep??e?e? ???su??e? p??t???? ?????t?te?, pe?????, p??e?? ?a? ?s?? ta ?p??a μp???? e????? ?a ep?t???? t? st?? t?? 100% ef?d?asμ?? se ??e?t??su? ap? ???.

?p????? p???? ?????t?te? p?? d?af????? μeta?? t??? ?? p??? t? μ??e???, t?? p????t?ta t?? p????su??, t? ep?ped? ???, t?? ???μat???? s????e?, t?? ?atas?e?? t?? ?t????, ta p??t?st?? p??t?pa, t? d?a?es?μ?t?ta p???? ?a? Beβa?? ta ?a?a?t??st??? t?? e?e??e?a??? t?? s?st?μat??. Ost?s?, ?d?a?te?? e?d?af???? pa????s????? ta pa?a??t? ?a?a?t??st??, ?ta? e?e????ta? ?? p??tpt???? ???????s?? a?a?e?s?μ?? p????:

- ?tas? e?e??e?a??? ?ata????s?? ?at? pe????, se s??s? p??? t? d?a?es?μ?t?ta a?a?e?s?μ?? e?e??e??,
- d?a?es?μ?t?ta ?a? t?p?? e?e??e?a??? ?p?d?μ??,
- p??f?? e?e??e?a??? ?ata????s??,
- μ??e??.

? ?a p??t? ta????μ?s? ?????t??? Bas??eta? ?????? st? s????s? t?? ?tas?? e?e??e?a??? ?ata????s?? ?? p??? t? d?a?es?μ?t?ta a?a?e?s?μ?? e?e??e???. Se ???e ?at????a, p??pe? ?a ?αμβ??eta? ?p?? ?a? ? ?p?d?a??es? a????a μe t?? t?p? ?a? t? μ??e?? t?? ?????t?ta?. ?ts?, μp????μe ?a d?a????μe t?? e?? ?at????e?:

?st???? ?????t?te?: e?s???? ???a??? e????e?a? μ????te?e? ap? t?? ?tas? t?? e?e??e?a??? ?ata????s??. ?e????su??? d?a?es?μ?t?ta ????? a?a?e?s?μ?? e?e??e???. ?a?ade??μata: ?t??a?? s????t?μata, ?e?t??as? μe ?at????μ??e? pe?????, ????, p??e??, μe??e? p??e??.

????t???? ?????t?te?: ???a?? e?s??? st? ??? pe??p?? t?? ?tas?? e?e??e?a??? ?ata????s??. S????, s?μa?t??? d?a?es?μ?t?ta ????? a?a?e?s?μ?? e?e??e?? (??eμ??, B??μ??a, ?d????e?t????). ?a?ade??μata: μ???? a??t???? pe????, epa??e?, pe??f ??e?e?.

?p?μ??μ??e? ?????t?te?: ???a??? e?s???? μe?a??te?e? ? st? ??? pe??p?? t?? ?tas?? e?e??e?a??? ?ata????s??. S???? s?μa?t??? d?a?es?μ?t?ta ????? a?a?e?s?μ?? e?e??e???. ??? ? μe μ???? d?as??des? μe e??te???? ?e?t???? d??t?a. ?a?ade??μata: ap?μ??μ??e? pe????, ?s?? (μ????, μ?s?? ?a? μe???? μe????), a?t??μe? pe????.

? Ba?μ?? d?e?sd?s?? t?? a?a?e?s?μ?? e?e??e?? ep??e??eta? ??t??a ap? t?? t?p? ?a? ap? t? Ba?μ? a??pt???? t?? ?p????sa? e?e??e?a??? ?p?d?μ?? Se ?e?a?a?e??e?se? ?????t?te?, ??a pa??de??μa, ?? e?e??e?a??? ?p?d?μ?? μp??e? ?a ????? s?ed?aste? e?a???? ??a ?a p??sa?μ???? ?a? a?a?e?s?μe? e????e?e?. ?pe?a?t?a?, se ?d? ?p????se? ?????t?te?, μe ?a?? e?e??e?a??? ?p?d?μ?,

µp??e? ?a ??e?ast??? ?????a p??? ?a µp????s??? ?? a?a?e?s?µe? e????e?e? ?a pa????? ??p??? a????????? ??? st?? e?e??e?a?? ef?d?asµ? t?? s?st?µat??.

G?a ???e ?p????f?a ?????t?ta ?a p??pe? ?a d?e?????ste? ? d??µ?? ??a t? µe??st?p???µ??? d?e?sd?s? t?? a?a?e?s?µ?? e?e??e????? ?a??s?µa?t? ??? se ?,t? af??? t?? efa?µ???? t?? s?ed??? a?t??, ????? ?a pa????? ?? t?p???? ?a? pe??f e?e?a??? a???? ?a??? ep?s?? ?a? pe??f e?e?a?? ???t?a ??a t?? e????e?a.

??pe? ?a d??e? p??te?a??t?ta se d??se?? p?? s??d?????? te??????e? ?at? t?t??? t??p? ?ste ta ?p??? s??d?a ?a µp????? ?a ?a??pt??? ?????????? t? f?sua t?? p??µe??t?? s??p?µ?t?ta?, µe µe??te? s??p?µ?t?ta? ?a? d??se?? ep?de???? (?????? µe t? ???µat?d?t?s? t?? p????µµat??), µ???? ?a? t? st?d?? t?? se e??e?a ???µa?a efa?µ???? µe t? B??e?a (?????) ???µat?d?t?se?? ap? t?? a????.

? e??st?te dap??? t?? e? ??? p??t?B????a? de? e??a? e???? ?a p??a????ste? st? pa??? st?d?? ??? t?? d?af??et???? µe?e??? ?a? ?a?a?t???st???? ???e d??s??. ?p?p????, s?µa?t??? p?s?st? t?? p????µµat?? «100 ?????t?te?» ?a ap?te??se? µ???? t?? p????aµµ?t?? ??a t??? Bas????? t?µe??, p?? pe????f??ta? pa?ap??? ?a? ?? t?t??? de? ?a ??e?aste? p??s?et? ???µat?d?t?s?.

II. ? ? ? ? ? GOG? ? ? S ? ? S ? ? ? ? ? S

?p?? ?a????????ta? st? ?e??? ??B?? ??a t?? ???, ? ??st?ate?a ap?s??pe? st?? p????µ??? efa?µ??? µe????? ???µa?a? s?ed??? st??? Bas????? t?µe?? t?? a?a?e?s?µ?? e?e??e???, st??e?e? ?µ?? a??µa ?a ste??e? saf? µ???µata ??a t?? e????te?? ???s? t?? a?a?e?s?µ?? p???? e????e?a?. ????? t?? ?p?t??p?? e??a? ?a ?????et?se? t? p?a?s??, ?a pa??s?e? te????? ?a? ?????µ??? ?p?st????? ?p?? ?e????eta? ?a? ?a s??t????e? t?? d??f??e? d??se??. ? ????? t?? ??at?? µe??? e??a? ???s?µ?? s?µas?a? ??a s??d?asµ??? d??s?: st????? t?? st???? t?? ??st?ate?a? ?a? s??t???sµ? t?? d??se?? se e????? ep?ped?. Ost?s?, a? ?a? ? ????? t?? d?µ?s??? t?µ?a e??a? ??s??d??, ????? st???? t?? ??st?ate?a? e??a? ?a e??s??e? ? ?d??t???? t?µ?a? ?a? ?a eµp???e? ????? t?? e?d?af e??µe???? ?a t?? p????s? t?? a?a?e?s?µ?? e?e??e????.

Ta ??B??? µ???? st?? ??st?ate?a p??????µ?? pa?????te? ??a t?? ?????t?p????? epe?d?se?? st??? Bas????? t?µe??. ? ? pa?????te? p?? eµp????ta? d?af????? ap? t?? ??a Bas??? t?µ?a st?? ??? ? d?af????? a????a µe t?? pe????? (B?. pa??t?µa ?, p??a?e? I - IV) ?a? pe??aµB????? t??? e???

- e????? ?Be???se??.
- pe??f ??e?e?.
- d?µ?? ?a? ep??e???se?? ?????? ?f e?e?a?.
- a???? ep?f??t ?µ??e? µe ??at???? p??µ??e?e?.
- ?p??es?e? e????e?a?.
- ep??e??µat?e? t?? ???d?? ??? ?a? e??se?? ?ata?a??t??.
- f??e?? ?a? a??t??t??e? p????aµµat?sµ?? ????? ?a? p??e?? ?a? ?pa????.
- B??µ??a??a, pe??aµB?a??µ???? ?a? ep??e???se?? pa????? ?p??es??? e????e?a?, pet?e?a???? eta????e? ?a? ?atas?e?ast?? ?????t????.
- B??µ??a????? e??se??.
- e??se?? a????t??.
- das???? B??µ??a??e? ?a? s??eta???sµ??.
- ???µat?d?t??? ?d??µata.
- e??se?? es?te???? ?a? e??te???? eµp?????
- µ? ?Be????t???? e??se??.

?? pa?a??t? d??se?? e????f??ta? se ??a ????? pa?a?s?? B?se? t?? ?p???? ?a e?ta?e? ?a? ep??e?t????? ? s?µB??? t?? p??a?afe??µe??? pa?a????t??.

1. ? «S?µp?a?? ??a?e?s?µe? ?????e?e?» – S?µµet??? pa?a????t?? st?? ??st?ate?a

G?a ?a p??????e? ?a? e?ta?e? ? s?µµet??? t?? pa?a????t?? a?t??, s?ed??st??e µ?a «S?µp?a?? ??a?e?s?µe? ?????e?e?». ?a µ??? t?? s?µp?a??? a?t??, µe B?s? t?? a?µd??t?te? ?a? d??at?t?t?? t???, ?a s?µµet?s???? ?a? p????s??? t?? e?st?ate?a ?a? ?a s?µB????? st?? e?p????s? t?? st???? t??. ? «S?µp?a?? ??a?e?s?µe? ?????e?e?» ?a efa?µ?ste? sta pa?a????t? ep?peda:

- S?µp?a?? µeta?? ?p?t??p?? ?a? d?µ?s?? ? a??? ?, B??µ??a??? ? ?a? e?? s e ? ?

?? s?µp????e?? p?? eµp?????? t?? ?????pa??? ?p?t??p? ?a? t?? d?µ?s?e? a???? s??ep????ta? e??e?a s??e??as?a se ??? t?? ?? sta p????µµata a?a?e?s?µ?? e?e??e??? p?? efa?µ????ta? se e????, pe??f e?e?a?? ?a? t?p??? ep?ped? ?a? ?a t?? ?d???se? ?a s?µµet?s???? st?? ??st?ate?a.

? ?s?µp????e?? p?? eµp?????? t?? ?????pa??? ?p?t??p? ?a? t? B??µ??a??a ? t?? d??f??e? e??se??, ap?s??p??? st?? e??e??e?? t?? ep?f????e?? t?? B??µ??a??a? se ?,t? af??? t?? a?a?e?s?µe? p???? e????e?a?, d?µ??????ta? e????? ?a? p??sf??? epe?d?t??? ??µa. ?at? s??pe?a, a?apt???a?? p????µµata t?? B??µ??a??a? ?a ap?te??s??? µ???? t?? ??st?ate?a?

Ta p??pe? ed? ?a s?µe??e? ?t? ?at? t? d????e?a t?? p????ata??t???? s????t?se?? p?? ??aBa? ??a µet? t?? pa???s?as? t?? ??st?ate?a? st? ?e??? ??B??, ???su??e? d?µ?s?e? a????, ?p??es?e? e????e?a? ?a? B??µ??a??a? e??a? ?d? e?f??se?t? e?d?af ???? t?? ?a s?µµet?s???? se s??d?asµ??? p??sp??e?a ??a ?a s?µB????? st?? ep?te??? t?? st???? t?? ??st?ate?a?

- S?µp????e?? µe ep??e??µat?e? ??a s?µf ? ??e? p?a?s?a a?af????? µe t?? e?t??es? s?ed?? ? ? ?

S?µf????e? p?a?s?a ??a t?? e?t??es? s?ed??? ??? ?a s?µB????? st?? eµp?d?s? t?? apa?a?t?t?? s??se?? µeta?? e?d?afe??µ???? pa?a????t?: d?µ?s??? f??e??, ????????? ?a? ?????µ??? ?d??µata, µ????, µesa?e? ?a? µe??e? ep??e??se??, pe??Ba????t????? ?a? ???a??se?? ?ata?a??t?? ?a ?a????st??? ta ?a????ta p?? ?a a?a??Be? ???e ??a? ap? t?? eµp?e??µe???? st? d?ad??as?a pa????te? ?ts? ?ste ?a µp??e? ?a ?e????se? ?a? ?a ???p????e? t? e??st?te s??d??.

??t??e? s?µf????e? se t?p??? ep?ped? ????? µe???? s?µas?a ??a t?? ep?t??? efa?µ?? e?? p????µµat?? ? s?ed???. ? ?s?µf????e? ?a ap?te??s??? ???t??? p????s?? ?a µe???? ?µa?a? s??d?a a?a?e?s?µ?? e?e??e??? p?? s?µµet????? st?? ??st?ate?a: ??a pa??de??µa a?af??eta? t? s??d?? “100 ? ????t?te?” (B?. p??t?p? s?µf????a? st? pa????t?µa II).

? ??a ap? ta e??te?a p?a?s?a p?? a?af????ta? pa?ap???, ?p????? ?a? a??et?? **d??se??** S?µp?a???. ???fa?? ? ? p?? a??????e? ap? t?? d??se?? a?t?? af???? **epe?d?se?? se e??atast?se?? a?a?e?s?µ? ? e?e??e?? ?**: ?? pa????te? p?? epe?d???? se e??atast?se?? pa?a???? a?a?e?s?µ?? e?e??e??? p?? t??t?? ?ata?a??t?? ?a? ?? ?p??e? ?e?t????? ep?s?? µe e????e?a ap? ? ? ? p.?. f?t?B??ta???? ?a? ?????e?µ???? e??atast?se?? e??atest?µ??e? se ?t??a t?? sta?µ??.

??t?? t?? epe?d?se??, ?? d??se?? µp??e? ?a ????? ?a? ???e? µ??f?? ?p??:

- ???µat?d?t??? ?d??µata (µ??? s?µp???e??), p??pe? ?a ?ataß????? p??sp??e?e? ??a ?a **d?e??????e? ? p??sBas? se ???µat?d?t?se??** ap? epe?d?t?? ????. ?? ??e?aste?, ?a p??pe? ?a ???a????? e?d??? ep?µ??f?t??? µa??µata ??a ?a Be?t????e? ? ?at??t?s? se ??µata µ??t????? te????????? t?? p??s?p???? p?? as???e?ta? µe t? ?????s? da?e???. ???pe? ep?s?? ?a a?t?µet?p?s?e? ?a? p?????e? ? s?stas? ???? µ??a??su?? a??????s?? ?a? pe????su?? t?? ???d?????. S?µa?t??? B????e?a a?µ????eta? s?et??? ap? µ?a t????sa µe??t? ALTENER ??a t?? t?p?p????s? t?? e?????? ???µat?d?t?s?? a?a?e?s?µ?? e?e??e???

- ? ?t?p????, pe??f e?e?a??? ?a? e????? a???? (µ??? t?? S?µp?a????), p??pe? ?a e?????? st?? **d????t???? d?ad??as?e?** ??a ?a e??a? se ??s? ?a ????? ta eup?d?a p?? s??a?t??ta? ?at? t?? ??? t?? d?ad??as??? ?????s??, ?p?? ????? ??? ?at? t?? ??d?s? ade??? ?atas?e??? t?????. ?? e??se?? t?? B??µ??a??a? ?a? t?? ?ata?a??t?? p??pe? ?a p????s??? se **d?ast????t?te? p????f????s??** p??? t?? ?ate????s? ?µ?d??-st????, s?et??? µe t?? d??at?t?te? pa????? e????e?a? ap? ????. ?a?????te? p?? eup?????ta? st?? **p????s? t?? e?a?????** ?p?? ????? ????? e??se?? e??te????? eup?????, p??pe? ?a ?e????s??? ??e? p??t?B????e? ??a t? ?????µa t?? a????? st?? te??????e? a?a?e?s?µ?? e?e??e?? t?? ??, se s??e??as?a µe t? B??µ??a??a, t?? d?µ?s?e? a????, ta ???µat?d?t??? ?d??µata ?a? eta????? t??t?? ?????.

- ? ? ??Be???t???? ???a??su?? µp????? ?a pa????? s?µa?t??? ??? ?a t?? p????s? t?? ??? ?a? ??a t?? e??µ????s? t?? e????te?? ?????, e?asfa????ta? t? ??t???? s?µas?a? ?p?st????? t?? ?????? ??a t?? ep?t????a t?? ??st?ate?a?

? p??e? ?a?e?? ep?s?? ?a s?ef?e? p????? ??e? d??se??, a?????a µe t?? s???e??µ??e? d??at?t?te? ?a? ta e?d?af????ta? t?? e?d?afe??µ???? pa?a????t??. ? s????e?s? t?t???? d??se?? ??t? ap? µ?a ????? ?a??d????s? ?a ste??e? saf? µ????µata e????te?a ?a? ?a e??a????e? ?????? pa?????te? ?a s?µµet?s???? st? «S?µp?a?? ??a?e?s?µe? ?????e?e?».

2. ? ????? t?? e?d???? ?????t???? p????aµµ?t?? ?a? d??se??

2.1 ??p????s? p?a?s???

?? ????? p?a?s?? d?e?a????? t?? ??st?ate?a? p??pe? ?a pe???aµß??e? ???su??a ???a?a p?? ?a te???? st?? ?p??es?a t?? e????te?? ?????? ?a? t?? pa?a????t?? t?? ?d??t???? t?µ?a. ?at? t?? a??p????s? t?? µ?s?? a?t?? ?? e?d?afe??µe?? pa?????te? µp????? ?a ??B?? µ???? st?? ??st?ate?a ?a? ?a s??e??ast??? µe t?? e????te?? p??sp??e?a t?? ?? ?a ???t????a ??a t? s?µµet??? st?? ??st?ate?a ?a p??sd????st??? ap? t?? ?p???p? ?at? t?? µe????t???? epaf?? t?? µe ta ???t? µ??? ?a? ?????? e?d?afe??µe???? pa?????te?. ? a??p????s? t?? e? ??? µ?s?? st? p?a?s?? a?t? ?a ???e? ?at? t?? p?? ap??e?t??µ?? d??at? t??p?. ??µ?s?e? a????, ?p??es?e? e????e?a?, B??µ??a????? e??se?? ?p. µp????? ?a p????? µ????.

ALTENER II

?? p????aµµa ALTENER II⁶ – p?? p??sf?t?? ?at?st? µ???? t?? ?????µµat?? ??a?s??? ??a t?? ?????e?a – e??a? t? ????? ??a?? ?p?st????? ?a? pa?a??????s?? t?? ?????t????

⁶ ?p?fas? t?? S?µß????? s?et??? µe ??a p??et?? p????aµµa ??a t?? p????s? t?? a?a?e?s?µ?? p???? e????e?a? st?? ?????t?ta (ALTENER II) (98/352/E) ?? a???. L159/53 t?? 03.06.98.

st?at????? ?a t?? a?a?e?s?µe? p???? e????e?a? ?a?, ?at? s???pe?a, t?? ??st?ate?a?. ? st???? t?? ??st?ate?a? ap? t? ALTENER p???B???pe? t? ???µat?d?t?s? d??se?? ?p?st????? ?p?? fa????ta? pa?a??t?. ?? p??t?se?? p?? e???f??sa? d????µe? t?? p??s????s?? 1998/1999 ?a ????? t?? ?????t?? ?p?st????? ?a 200 s??d?a, p???? ap? ta ?p??a s??d??ta? aµ?s?? µe t?? ??st?ate?a. ?a s??d?a p?? eup?pt??? st?? ??st?ate?a ?????s?? ????? t?? e??? µ???f?:

- d?af?µ ?t??? ?p?st????? t?? ??st?ate?a? ?????s??,
- a??pt??? p????aµµ?t?? ?a t?? efa?µ??? t?? s?ed???
- ep???? ?p???f??? ?a e?d???? d??se??, ?p?? p.?. t? “100 ????t?te?”,
- s????? st???e??? ?a t? AGORES, t? e?????? ????t?? p????f???s??,
- a??pt??? e?d???? d??se?? µ???et???? ?a t?? ?p?st????? t?? ??st?ate?a?,
- st???eµ???e? d??se?? ?a µe????? ????µa?a? s??d?a st??? Bas????? t?µe?? t?? ??st?ate?a?

????t?p?? t?? ??st?ate?a?

??a ap? ta ????a ?a?a?t??st??? t?? ??st?ate?a? e??a? ? e???te?? ?????t??? t?? f????s?fa – d??ad? µ?a e??a?a ??st?ate?a se ep?ped? ???s?? ?ste ?a ta s??d?a p?? p??s????? st?? ??st?ate?a ?a ?a??pt??ta? ta?t????a ap? t?? ?d?? ????t?p?. ? ?????t?p?? a?t?? µp??e? ?a ???s?µp????e? ap? ????? t??? eta????? p?? s?µµet????? st?? ??st?ate?a µe ta p????µµat? t???, ta s??d?? t?? ?a? ???e? d??se?? t???. ?ts?, ? ??st?ate?a µp??e? ?a ta?t?ste? µe µ?a s??d?asµ??? e???te?? ?????t??? p??sp??e?a.

?????µµata ?a? s??d?a p?? µp????? ?a ???s?µp????s?? t? ?????t?p? e??a? e?e??a p?? eup?pt??? sta ???t???a ta ?a????µe?a ?a t??? Bas????? t?µe?? t?? ??st?ate?a? ?a? t?? s?ed??? “100 ????t?te?”. Ost?s? µp??e? ?a e??a? ef??t? ? ???s?µp????s? t?? ?????t?p?? se s??d?a p?? s?µB????? st? ?e????te?? ?????t??? st?at????? t?? ???.

? ?ata?????ta t?? p????aµµ?t?? ?a? t?? s?ed??? ?a e????eta?, ?a p?a?µat?p??e?ta? de ??p??a ep????? se ap??e?t??µ?? B?s? µe t?? e?????? eta????, se s??e????s? µe t?? ?????t?ta.

? ?at????? t?? ??st?ate?a?

? ?p ????p? p??t??eta? ?a d?µ?s?e?e? se ta?t??? B?s? ?a ?at????? st?? ?p??? ?a a?a???f??ta? ta p????µµata ?a? ta s??d?a p?? s?µµet????? st?? ??st?ate?a ?a? ?a eµfa????ta? ta ap?te??suata, µe B?s? st???e?a p?? s??????ta? ap? e?????? eta????, ?a d?at??e?ta? de a?t? st? e???te?? ?????.

? ?at????? ?a pe????e? ep?s?? p????f???e? ?a ?a ta p????µµata p?? e?te????ta? ap? d?µ?s???? f??e??, t? B??µ??a??a ? t?? e??se??, ta µ??? t?? S?µp?a??? ?a??? ep?s?? ?a? p????f???e? s?et??? µe t?? ?????e? t?? ??st?ate?a?

????? st???e?a ?a t? ?e?t????a t?? ??st?ate?a? ?a d?at??e?ta? ep?s?? st?? t??pe?a ded?µ???? AGORES⁷.

⁷ ?? e?????? ????t?? p????f???s?? "AGORES" e??a? t? ???µa t?? t??pe?a? ded?µ???? p?? d?µ????????e ?a? ???µat?d?te?ta? ap? t? p????aµµa ALTENER II ?a? ap?te?e? ap??t?s? t?? ?p?t??p?? st? ???µ? p?? e???f?ase t? ???pa??? ?????B????? s?et??? µe t? s?stas? e??? e??a??? ????t??? p????f???s?? ?a t?? ???.

??aBe?a t?? ??st?ate?a?

G?a ?a a?tauef???? ?a? ?p???aμs???? ?? «???? p?a?t????», ?p???e? p???es? ?a ???????ta? B?aBe?a sta ?a??te?a p????μata, t??? d?μ??, t?? ep??e???se?? ????? ?fe?e?a?, t?? t????st???? eta??e?e?, t?? ?????d?μ???? ep??e???se??, t??? a????e?, t?? B??μ??a??e? ? t?? e???se?? t??? ?a??? ep?s?? t?? e???se?? ?ata?a??t??, ?p. ?a B?aBe?a t?? ??st?ate?a? ?a ???????ta? ???e d?? ?????a, t? p??t? de ap? a?t? t? ?t?? 2000. ?p??eμ???? e????? ????a??su?? ?a ep?????? t??? e?????? ?p???f????, μe t? s??e??as?a μ?a? ?p?t??p?? ?p????? p?? d????eta? se ?????t??? ep?ped? ? ?p??a ?a? ?a ???e? t?? te???? ep????.

? d?af?μ ?t?? ??st?ate?a?

? e???? d??se?? p?? s?μB???? st?? ??st?ate?a, ?p?? ? e??at?stas? ?????eμ???? s???e?t?? ??a ?????a?? ??μa?s?, apa?t??? epe?d?se?? se e??atast?se?? a?a?e?s?μ?? p???? ap? ?d??t??? ??????????. ? μ?? ?? e?de??μe??? epe?d?t?? μp??e? ?a d?st???? ?a epe?d?s??? se μ??t???e? te??????e? ??? ????e???? te??????s?a? ?a? p????f????s??. ???pe? ep?μ???? ?a a?a??f???? e?d???? d?af?μ ?t???? d??se?? se pe????? ? ?p??e? ?????ta? ?? ? ?ata????te?e?, ??a t?? te??????a ?a? t?? ?μ?da-st??.

??d????se?? ?a? d?μ?s?e?se??

S?ed????eta? ? ?????s? s?ed???? ?a? ????? e?d????se??, μe t?? ?p??e? ?a ????? se epaf? ta μ?? t?? S?μp?a?? ???? t?? Bas???? t?μ???. ? a?ta??a?? eupe???? ?a? te????s?a? ap??t??? ?d?a?te?? s?μas?a ??a t??? eta???? t?? p????μat?? “100 ?????t?te?”, ??a t?? p????s? t?? ????? p?a?t???? ?a? t?? s??e??as??.

2.2 ??? ?a?te???? B????e?a

?? 5? ?????aμa ??a?s?? p??B??pe? μ?a Bas??? s???st?sa ep?de????, μa?? μe s??af? μ?t?a a?afe??μe?a st?? a?a?e?s?μe? p???? e????e?a?. ??? Bas???? d??se?? s?et??μe?e? μe t?? a?a?e?s?μe? p???? e????e?a? p??te????ta? st? ?????aμa ??a?s??:

?as??? d??s? 1: S?st?μata ?a?a??te??? e????e?a?, pe???aμBa?μ???? ?a? t?? a?a?e?s?μ?? e?e??e??

?as??? d??s? 2: ? ?????μ?? ?a? ap?d?t??? e????e?a ??a μ?a a?ta????st??? ???p?

? a??pt??? te??????a? ste?? s??dedeμ???? μe t?? a???? ap?te?e? s?μa?t??? B?μa ??a t?? e????te?? d?e?sd?s? t?? a?a?e?s?μ?? p???? e????e?a?. ?? μ???? p?? af??? t?? ep?de?? t?? 5?? ?????μat?? ??a?s??? ?a pe????se? t??? ???d???? p?? s??d????ta? μe t?? metaB???? ??μa?a? t?? a?a?e?s?μ?? e?e??e?? ?a? ?a ep?ta??e? t? d?e?sd?s? t??? st?? a????.

Se ?,t? af??? t?? te???? B????e?a p??? t??te? ???e?, ? ?p?t??p? ??? ?a? pe??ss?te?? e??s??e t? d?e??? s??e??as?a μ?s? t?? e?e??e?a??? p????aμ ?t?? THERMIE ?a? SYNERGY, ?a?? ep?s?? ?a? μe t? ALTENER II ??a t?? s??dedeμ??e? ???e?, ?at? t??p? ?ste ?a B????se? t?? B??μ??a???? ep??e???se?? ?a? t?? te??????a t?? ?? ?a ep?fe???? t?? p??sfe??μ???? e??a???? ?a d?e????s? t?? a???? t?? p??? t?? a?apt?ss?μe?? ?su? ?a? ?a d?e?????e? t?? a?ta??a?? te??????a?. ???a ?????t??? p????μata s??e??as?a?, ?p?? t? PHARE, t? TACIS, t? MEDA ??p. ????? ep?s?? pa??e? s?μa?t??? ??? s?et??.

2.3 ?a????st??? μ?t?a

? ??st?ate?a ap?te?e? a?ap?spast? μ???? t?? ?????t???? St?at????? ?a? t?? S?ed??? ???? ?a? ?a st????e? μe ???su??a ?a????st??? μ?t?a p??

p??te????ta? ?a? e?e?d??e????ta? st? ? e??? ??B???. ?a μ?t?a a?t? pe????aυβ????? μ?a ?d????a με t?? ?p??a st????eta? ? ?e?t??su?? ? p??e???μe??? ap? a?a?e?s?μe? p???? e????e?a?, se ??a e?a?μ???su??? p?a?s??, st??? ???p??? t?? es?te????? a????? ?e?t??su??· μ?a p??tas? t?? ?????t?ta? pe?? f??????s?? e?e?e?a??? p????t??, st?? ?p??a p??B??p??ta? f????????? e?af???se?? ? f????apa?a??? ??a t?? a?a?e?s?μe? p???? e????e?a?· ep?s?? de μ?t?a sta ??a?e???μ??a ??a????t??? ?aμe?a ?a? st?? ????? a????t??? p????t??? ?a? st?? p????t??? ??a t?? a??pt??? t?? ?pa?????, ?.?p.

???μ? sta p?a?s?a t?? es?te????? a?????, e?p????ta? e???pa???? p??d?a??af?? ??a e???p??su? a?a?e?s?μ?? p???? e????e?a? ap? t?? CEN/CENELEC, p?? ???μat?d?t???ta? ap? t? p????aυμa ALTENER. ?e????? ?t?μata t?p?p???s??, ?????? st?? t?μ?a t?? d??t????, ?a a?t?μet?p?s???? με β?s? t? 5? ?????aυμa ??a?s?? a??? ?a? ap? t? ????? ??t?? ?e???? t?? ?????pa???? ?p??p???. ?? p??d?a??af?? a?t?? ?a pa??s???? ??a e?a?μ???su??? e????e?? ?????t??? p?a?s?? ??a t?? ep??tas? t?? ?????t???? B??μ??a??a? a?a?e?s?μ?? p???? e????e?a?.

III. ? ? ? ? ? ? ? S ? ? ? S ? S ? S G ? ? ? ? ? S ? ? ? ? ? ? ?

?p?????eta? ?t? t? 75-80% t?? ?efa?a??? p?? apa?te?ta? ??a t?? ep?te??? t?? st???? t?? ??st?ate?a? ?a p????eta? ap? ?d??t???? p???? ? ?p??e? e??a?????ta? ap? t?? μεταβ???? t?? ?a????st???? p?a?s??? t?? ? e???? ??B??? ?a? ap? t? pa??t? d?af?μ?st???? ?a? ????? d??se?? p?? pe????f??ta? pa?ap???

Ost?s?, ?????eta? ?t? ?e?????ta? p??s?eta ?????ta με t?? ?p?st????? t?? d?μ?s??? p?? ?a d?s??? ???s? ?a? ?a s?μp????s??? t?? ?d??t???? epe?d?se??, με e??s??se?? apa?t??μ???? ?????, a?????a με t?? e??st?te te??????a.

?? s??????? ???? t?? ??at???? e??s??se?? p?? apa?t????ta? ??a t?? ep?te??? t?? p??B?ep?μ???? st???? e?t?μ?ta? se 7 d?? EURO pe??p???. St? pa????t?μa ??? μp??e? ?a?e?? ?a d?ap?st?se? t?? t??p? ?at? t?? ?p??? p??????e t? p??a?afe??μe?? p?s?.

Se ap??t?s? t?? a?t?μat?? t?? S?μβ?????? ?a t?? pa???? p????f????? s?et???? με t? ???μat?d?t?s? t?? ??st?ate?a?, ? ?p?t??p? s????e?e ?a? a????se st???e?a ?a t?? p????t???? ?a? ta p????μμata p?? s?et????ta? με t?? p????s? t?? a?a?e?s?μ?? p???? e????e?a?, t?s? se e????? ?s? ?a? se ?????t??? ep?ped?. St?? p??e?a t?? e? ??? a????s?? e?t?p?s???a? ???su??e? e?de??μe?e? p????.

1. ?p?st????? se e????? ep?ped?

Se ??a ta ???t? μ???, ? p????s? t?? ??? ?aυβ??e? ??? ?a? με?a??te?? s?μas?a ??a t?? e?e??e?a??? ?a? pe??Ba????t???? p????t??? sta p??sfata ?????a. ???a??μe??? a????μ?? p????aυμ?t?? ?a? με?et?? pa????? ?at???? ?μat?d?t?se?? p??? ?p?st????? t?? epe?d?se?? se a?a?e?s?μe? p???? e????e?a?, se e????, pe??fe?e?a?? ?a? t?p??? ep?ped?.

? a????s? t?? e?????? p????aυμ?t?? ?a? με?et?? (β?. pa????t?μa V) de???e? ?t? d?et????sa? ???d????a sta p?a?s?a t?? p????t??? p????s?? t?? t?μ?a t?? a?a?e?s?μ?? p???? e????e?a?, ???d????a ta ?p??a a??????a? sta?e?? ta te?e?ta?a ?????a ?a? μp????? ?a ?p????s???? με β?s? ta p?? p??sfata ded?μ??a ?t? a??????ta? t????st?? se **1,2 d?? EURO t? ?????**. ?? a????B?? p?s? e??a? μ???? ????te?? ap? t? pa?ap??? ???μe??, ded?μ???? ?t? ta st???e?a p?? e??f??sa? de? e??a? e?te?? p????, e?d??te?a se ?,t? af??? t?? e??s??se?? p?? ??????????a? se pe??f e?e?a?? ?a? t?p??? ep?ped? ?a? t?? e??s??se?? p?? pa?as?????a? ?? f????????? ?????ta.

?? p??B?ep?me?? s?????? p?s? ??at???? e??s??s?? ?aB??e? ?p??? ?e? t?? μ??f?? e??s??se??, pe???aB??μ???? ?a? e??s??se?? st?? t?μ?? p?? pa????ta? ??a t?μ????a sta?e?? pa???? ?e?t??su?? pa??a??me?? ap? a?a?e?s?me? p???? e????e?a?. Ta p??pe? ?a s?me??e? ?t? se a?t??es? p??? t?? s?μBat???? μ??f?? e??s??s??, ?p?? ????? ??? ?μese? ep?d?t?se?? ?a? f????????? ?????a, ? μ??f? a?t? e??s??s?? de? ep?Ba????e? t?? ?e???? p??p?????su?. Ost?s?, ? a????s? de??e? ?t? a?t? ? e??s??s? ?e? ap?te??se? t? s?μa?t??te?? μ?s? ?p?st????? sta ???t? μ?? ?a? ep?μ???? e??a? Bas??? ?a ??f?e? ?p??? sta p?a?s?a t?? ??st?ate?a?.

Se ?,t? af??? t? μ????, ??a ta ???t? μ??? a??fe?a? ?t? p??t??e?ta? ?a e?te????? pa?ap??a t?? p??sp??e?? t?? ?a t?? p????s? t?? ????. ????? p????μμata p??B??peta? ?a s??e??st?? ? ?a e?tat??p????? ta e??μe?a ?????a, e?d??te?a de ?? p??sp??e?e? ??a t?? p????s? p??se?? ?e?t??su?? ap? a?a?e?s?me? p???? e????e?a?. ??μ??a ???t? μ??? ????? ?a??e? e????? st?at????? ?a? st???? a?af???? μe t? μe????t?? μe??d?? t?? a?a?e?s?μ?? p???? e????e?a? se s??s? μe t? s?????? e?e??e?a?? ?ata????s?, a????????ta? t?? p??e?a p?? ??a?e ? ?p?st??p? st? ?e??? ??B?? t?? ??a t?? ???.

?at? s??pe?a ta d??f??a p????μμata ?a? s?st?μata st????? s?et??, p?? ????? d??μ?????e? ap? ta ???t? μ??, ?a ap?te??s?? s?μa?t?? e??s??s? ??a t?? epe?d?se?? p?? a?af????ta? st??? st???? t?? ??st?ate?a?.

2. ?p?st????? se ?????t??? ep?ped?

Se ?,t? af??? ta ?????t??? p????μμata, ta ?a????t??? ?aμe?a ?a? ?? d??se?? ep?de???? p?? p??B??p??ta? st? 5? ?????aμμa ??a?s?? ??? (1999-2003) ap?te???? ?at????a e??a?e?a p????s?? t?? apa?t??μ???? ?a t?? ?p?st????? t?? ??st?ate?a? epe?d?se??.

2.1 ?a ??a????t??? ?aμe?a

?at? t? d????e?a t?? pa??sa? p????aμmat???? pe??d?? (1994-1999), ?? dap??e? t?? ??a????t???? ?aμe?? p?? ????? s??s? μe t?? e????e?a a????ta? se 2900 e?at. EURO, p??μa p?? a?t?st??e? se μe??d?? 1,5% pe??p?? t?? s???????? p??p?????su?? t?? ?a????t???? ?aμe?? (200 d?? €), ?a? ?????????a? a???? ap? t? **????pa?? ?aμe?? ? e??f e?e?a?? ???pt???? (?RDF)**. ? a??pt?? t?? a?a?e?s?μ?? p???? e????e?a? eμfa??eta? s?ed?? se ??a ta p????μμata t?? pe????? t?? st???? 1 ?a? a?t?st??e? se p?s? ????? 300 e?at. EURO p??μa p?? ?a?pte? p?s?st? 10,5% t?? s???????? dapa?? t?? s?et???? μe t?? e????e?a. ???f??a s??d?a ????? d??μ?????e? st?? ???da, ?spa??a, Ga??a (??s??, ?pe?p??ta ed??), ???a?d?a, ?ta??a, ???t??a??a, ??st??a ?a? ???μ?? ?as??e?? (??e?a ??a?d?a, Highlands ?a? N?s??), p?? ep?p????ta? ??t??a μe Bas????? t?μe?? t?? ??st?ate?a?, d??ad? t?? a????? ?a? t?? ??a?? e????e?a ?a??? ?a? t? B??μ??a.

?a? ??a a?t?, ?? d??at?t?te? e??s??s?? t?? s?ed?? ?a? a?a?e?s?me? p???? e????e?a? sta p?a?s?a t?? d?a????t???? taμe?? de? ????? μ???? t??a a??p????e? ??a??p?????. ?p?t??esua a?t??, ?a? pa?????a μe t?? p??t?? B??s?μ?? a??pt????, ? ?p?t??p? st?? p??tas? t?? ??a t?? a?a?e????s? t?? ?e??fe?e?a?? ?aμe??⁸ ?p????μμ??e ?t? ? a??pt?? t?? a?a?e?s?μ?? p???? e????e?a? ap?te?e? t?μa? p??te?a?t?ta? ?p?? ?p?epe ?a pa??μbe?.

⁸ ???tas? ?a??μ?? t?? S?μB????? ??a t? ???pa?? ?aμe?? ?e??fe?e?a?? ???pt????, ?? a???. C 176 t?? 9?? ?????? 1998.

??a ???? μs? ??a ?a st????e? ? a?pt??? t?? a?a?e?s?μ?? p???? e????e?a? e??a? t? **????pa??? ?aue?? Ge?????? ?a??d???s?? ?a? ?????se?? (EAGGF)**. ???mat?, ? ???t??? ???t??? ???t??? (? ? ?), ?p?? a?au??eta? ?a a?au??f??e? μe t?? Agenda 2000, ?a p??B??pe? ???su??e? d??at?t?te? ?p?st????? B??e?e??e?a??? ?a??e??e???

? ?p?st????? pa?a????? μ? d?at??f???? f?se??, pe???auβa??μ???? ?a? t?? a??t???? pa?a????? p?? ap?s??pe? se e?e??e?a??? ???se??, eupp?pte? st? ped?? t?? ?e?????? a??pt????? ?p?μ????, ?ta? e?et????ta? ta s??d?a a??pt???? t??, ?? e????? a?μd?e? a???? μp????? ?a ap?fas?? a? ?a d?s?? ?μfas? st?? μ? d?at??f???? ???d?. G?a pa??de??μa, epe?d?se?? se ?e?????? B??μ??a??e? s??de?μe?e? μe t?? pa?a???? B??e?e??e?a??? f?se?? μp????? ?a t????? e??s??se?? ?p?p????, μp????? ?a pa?as?e???? e??s??se?? ??a t?? a?ad?s?s? ?a? t?? B??e?e??e?a??? - f ?????? p??? t? pe??B????? - ?a?????e?e?, t? te?e?ta?? a?t? μe B?s? t? a??-pe??Ba????t??? p?a?s??.

?p?p????, t? s?st?μa t?? a??a??pa?s??, t? ?p??? ap?te?e? st????t??? s?st?μa ??a pa?a?????? ?a??e????μ???? e?d??, p??B??pe? ?a? ???e? d??at?t?te? ?a? ?p?st????? ?p????? e?d???? d?at??e?? ??a p????e?? ?a?????e?e? af ?e??μ??e? st?? pa?a???? B??μ??a?, sta p?a?s?a t?? s?st?μat?? e?e??s?a? a??a??pa?s??: ep?d?t?se?? a??a??pa?s?? μp????? ?a pa?as?e???? ??a pe????d? 5 et??, ?? de e????? e??s??se?? ep?t??peta? ?a ?a??pt??? t?? dap??e? e??at?stas?? Se ?,t? af??? t? ?p??e?t??? p?s?st? a??a??pa?s??, ?d?a?te?a s?μa?t??? ??a ta ??? B??a?s?μa, a?t? ???eta? st? 10% μ???? t? 2006.

?p?p????, ? ?p?t??p? st?? p??sfat? ??a????s? t?? ??a t?? B??s?μe? a??t???? ?a?????e?e? d?de? p??te?a??t?ta st? pe??Ba????t??? ??t?μa ?a? st? ????? p?? μp??e? ?a d?ad?amat?se? ? s?st? ???s?μ?p????s? t?? B??μ??a?, ??a pa??de??μa st?? ?atap??μ?s? t?? p??a???? ?p.

?a pa?ap??? μ?t?a μp????? ?a s?μB????? st?? pa?a???? p??t?? ??? ?a sta?μ??? B??μ??a?. Ost?s?, ?? d??at?t?te? ?a ?p?st?????e? ? e????e?a ap? B??μ??a ?a p??pe? ?a ?auβ????ta? p??ta ?p???, pa?????a μe t?? a?af??? t?? ?e???? ??B?? ?a t?? a?a?e?s?μe? p???? e????e?a?, ?t? ? B??μ??a p??pe? ?a e??s??e? μ?s? ??? t?? d?a??s?μ?? ?????? p??t????, pe???auβa??μ???? ?a? e?e???? t?? ?e?????? t?μa.

? e B?s? ta p??a?afe??μe?a, ta ??a????t??? ?aue?a, e?d??te?a de t? ERDF ?a? t? EAGGF ?p?? a?af????e, μp????? ?a ?atast??? s?μa?t??? e??a?e?a ??a t?? ?p?st????? t?? a?a?e?s?μ?? p???? e????e?a?, pa?????a μe t?? s?et???? a?af??? t?? ? e???? ??B?? t?? ?p?t??p?? ??a t?? a?a?e?s?μe? p???? e????e?a? ?a? μe t?? ap?fas? t?? S?μB????? ??a t? ? e?? ??B??, ?p?? a?a?????eta? ?t? ? pe??fe?e?a?? p??t??? μp??e? ?a pa??e? s?μa?t??? ??? ??a t?? p????s? t???

2.2 ?????μata ??e??a?, te????????? a??pt???? ?a? ep?de????

????a de?te?? s?μa?t??? e??a?e?? ??a t?? st????? t?? epe?d?se?? ??a t?? a?a?e?s?μe? p???? e????e?a e??a? ? ?????t??? p????t??? st?? t?μ?a t?? ?e??a?, te????????? a??pt???? ?a? ep?de???? (??). ?? 4? ?????aμμa ??a?? ??a t?? ???, ?a? e?d??te?a t? t?μa p?? af??? t? μ? p?????? e????e?a, ?d??e p??te?a??t?ta st?? a?a?e?s?μe? p????, p?? ???pta? t? 45% t?? s???????? t?? p??p????su??. ??s? ????? 153 e?at. EURO pe??p?? dapa?????e ??a t? st????? epe?d?se?? ?p?? p????aμμ?t?? ep?de???? a?a?e?s?μ?? ?a????t?μ?? te????????? ?a/? efa?μ???? d??μe? t?? p????μmat? THERMIE.

?? 5? ??????αμμα ??α?σ?? ??? (1998-2002)⁹ pe???αυβ??e? ??a e?d??? p????αμμα «?????e?a, pe??β????? ?a? β??s?μ? a??pt????», st? ?p??? t? μ???? p?? af??? t?? e????e?a ?αυβ??e? p?s? ????? 1043 e?at. EURO st?? ???ματ?d?t???? p????pt????? . ? p????s? ?a?α??te??? e?e??e?a??? s?st?μ?t??, pe???αυβa??μ???? ?a? t?? a?a?e?s?μ?? p???? e????e?a?, e??a? p??te?a??t?ta t?? p?????ματ??. Se ?,t? af??? t? 1999, ap? ta 208 e?at. EURO p?? d?at??e?ta? ??a t?? e????e?a, t? 60% af??? t?? a?a?e?s?μe? p???? e????e?a? ap? t?? ?p??e? t? 75% ??a ep?de???. ??t? s??ep??eta? d?a?σ?s?μα p?s? ????? 95 e?at. EURO ??a ta s??d?a ep?de???? a?a?e?s?μ?? p???? e????e?a?, μ??? ??a t? 1999.

Se s??s? μe ta p??a?afe??μe?a, a?αμ??eta? ?t? t? 5? ??????αμμα ??α?σ?? ??? ?a ?ataste? s?μα?t??? e??a?e?? sta ?????a t?? ?????t?ta? ?at????? ??a t?? pa???? ?????t??? se epe?d?se?? ??? ? ?a te??????e? ?? ?p??e? e?d?af ????? t?? ??st?ate?a.

3. ???s??s? t?? p?a?s??? s??e??as?a? t??t?? ?????

Sta p?a?s?a t?? ?????t???? ?a? e????? p????αμμ?t?? e??te???? e??s??s??, ?p?? t? ???pa??? ?αue?? ???pt???? (EDF), t? PHARE, t? TACIS ?a? t? MEDA, ta s??d?a a?a?e?s?μ?? p???? e????e?a? ?pa??a? s?μα?t??? ??? ?a t?? e??s??s? e?e??e?a??? p????αμμ?t??, pe???αυβa??μ???? ?a? t?? p????s?? f?t?β??ta???? e??atast?se?? . Ost?s?, ded?μ???? t?? pe?asμ???? p?a?t???? ?a? pa?????a μe t?? p??s????s? p?? a?????e?ta? ?e???? ap? f??e?? p??sf????te? e??te???? e??s??s?, ? ???ματ??????μ?? e??s??s? ??a t?? ep?te??? t?? s?et???? st???? t?? ??st?ate?a? e? μ????? t?? t??t?? ????? (350.00 f?t?β??ta??? s?st?μata), ?a p??pe? a???? ?a p????eta? ap? d??e?a d?at??μe?a st?? ???e? ap?d??te? ??a t?? a??pt??? a?a?e?s?μ?? p???? e????e?a?, ta ?p??a s?μp?????ta? ap? ?????se?? . ?ed?μ???? t?? a?αue??μe?? a??pt???? t?? e?e??e?a??? ??t?s?? st?? ?s?a, ?at???? ? μe???? ?a? ?f? ???, ? ?p??a ?at? μe???? p?s?st? μp??e? ?a ??a??p????e? ?at? β??s?μ? t??p? μe a?a?e?s?μe? p???? e????e?a?, p??pe? ?a a?αμ??eta? ?t? ?? ???ματ?d?t???? p???? p?? d?at??e?ta? ??a s??d?a a?a?e?s?μ?? p???? e????e?a? ?a a?????? s?μα?t??? ta e??μe?a ?????a. ???ματ?, ???su??a ???ματ?d?t???? ?d??μata p?? eup?????ta? se e??te???? e??s??se??, ?p?? ? ???, ?a? ? ?a??su?a ???pe?a, e??te??a? t?? da?e??d?t???? t?? p??sp??e?e? p???? t?? ?ate????s? t?? a?a?e?s?μ?? p???? e????e?a? st?? a?apt?ss?μe?? ??sμ? ?a? p??t??e?ta? ?a d?e?????? pa?ap??a t?? e? ??? p????t??.

? a?αue??μe?? a????s? ???ματ?d?t???? p???? p?? ?a d?ate???? ??a epe?d?se?? st?? a?a?e?s?μe? p???? e????e?a? st?? ???e? a?t??, ?a p??pe? ?a ?d??se? se a??μ?? te???? s??e??as?a ??a e?a???? t?? eta??e?? t?? ?? . ? e a?t? t?? p????pt???, ? st???? t?? pa????sa? ??st?ate?a? ?a p????se? t?? e??at?stas? 350.000 f?t?β??ta???? s?st?μ?t?? ??a ?????t?te? t?? a?apt?ss?μe?? ??sμ??, s?st?μ?t?? p?? p??sf???? ? ? β??μ??a??e? t?? ???pa???? ?????t?ta?, ?????eta? ?at?????? ??a ?a ep??e?t????? ? p??sp??e?e? t?s? se e???? ?s? ?a? ?????t?? ep?ped?.

????μ??e? e?a?????? d??at?t?te? ??a t?? e??pa??? β??μ??a??a ?a e??s??s?? t?? ???d? st? s???? t??, ?d????ta? st? d?μ?????a ??se?? apas????s?? st?? ?????t?ta ?a? se μe??s? t?? ??st??? ??? ?????μ?? ??μa?a?.

⁹ ?p?fas? a???. 182/1999/E? t?? ???pa???? ?????β????? ?a? t?? S?μβ?????, t?? 22a? ?e?eμβ???? 1998, s?et?? μe t? 5? ??????αμμα ??α?σ?? t?? ???pa???? ?????t?ta? ??a d??se?? ?e??a?, te????????? a??pt???? ?a? ep?de???? (1998-2002), ?? a???. L 26, 1 Feβ??a???? 1999, s. 1.

? e??ss?te?e? ?ept?μ??e?e? ??a t?? p??e??ste?e? d??se?? ?a? t?? t????se? p????t???? t?? μ?s?? e??te???? e??s??s?? d??d??ta? st? pa????t?μa IV.

4. ??de??t??? ???uat?d?t??? se?????

?p? ta p??a?afe??μe?a, μp??e? ?a s?μpe??e? ?a?e?? ?t? a??et? p????μμata, se e???? ?a? ?????t??? ep?ped?, μp???? ?a e??s??s?? t??? st???? t?? ??st?ate?a?. ?ed?μ???? t?? ??d???? p?? dapa????a? st? pa?e???? ??a t?? p????s? t?? a?a?e?s?μ?? p???? e????e?a? a?? ?a? t?? μe????t???? d??at?t?t?, t? μe?a??te?? μ???? t?? ??at???? e??s??se?? ?a p????e? ap? e???? p????μμata, s?μp????μe?a ap? ?????t?? p????μμata, ?a? se ?,t? af?? t?? t??te? ???e?, ap? d??f??a ???uat?d?t??? ?d?μata.

?μpe??stat?μ??e? p??B????e?? s?et??? μe ta a??B? p?s? p?? μp???? ?a d?ate???? ap? e???? ?a? ?????t??? p????μμata de? e??a? d??at?? ?a ????? ??a p???? ?????. Ost?s?, ?a ?ta? ???s?μ? ?a ?p??e? ??p?? e?de??t?? se???? s?et??? μe ta p?s? p?? μp???? ?a d?ate???? ap? d??f??e? p????, ?ste ?a e?asfa??ste? ??at??? e??s??s? pe??p?? 7 d?? EURO p?? apa?t??ta? μ???? t? 2003. ?p?μ????, μe β?s? ta st??e?a p?? d?at??e?ta? ??a pa?e????ta ?a? e? e?e??e? p????μμata, ?a? ded?μ???? t?? s??p?? ?a? t?? d?a??s?μ?? p??p????sμ??, t?? μe????t???? d??at?t?t?? ?a? t?? s?ed?a??μ???? e???? ?a? ?????t???? p??t????, ???e d??at? ? e?p??s? t?? pa?a??t? e?de??t???? se?a????:

????? p????μμata:	6 d?? EURO
????t?? p????μμata:	
? ?a????t??? ?aμe?a	0,4 d?? EURO
???	<u>0,5 d?? EURO</u>
S???? ?at???? e??s??se??	± 7 d?? EURO

G?a t? se???? a?t? ???a? ???sμ??e? ?p??se?? a?af???? μe t?? μe????t???? p??p????sμ?? ?a? t? p??a?? μe??d?? e??s??s?? t?? a?a?e?s?μ?? p???? e????e?a? p?? ?p??aμμ????ta? μe ?ept?μ??e?a st? pa????t?μa ??? ? e β?s? t?? ?p??se?? a?t??, t? se???? de??e? μe p???? t??p? μp???? ?a ep?te?????? ?s??p?? t?? ??st?ate?a? se ?,t? af?? t?? ??at???? e??s??se??, ????? ?a e????eta? μ? ?ea??st??? p??s?et? ????? ???uat?d?t?s?, ?p? t? f?? pe?asμ???? ?a? s?ed?a??μ???? p??t????. Ost?s? ?p??e? a???? ?a ?p??e? ?s???? d?smes? p?? t?? s??p?? t?? ??st?ate?a? ?a? ?a ?ataβ????? p??sp??e?e? se ??a ta ep?peda, e?d??te?a se e??s??se?? ?????μe?e? sta p?a?s?a d?af???? e????? s?ed?? ?a? p????aμμ?t?? ta ?p??a, e?de??t??, ?a p??pe? ?a a?????? ?at? 10% pe??p?? t?? ?????.

?????? ?a?S?????S? ???

? ??st?ate?a ?????s?? p?? p??te??eta? st? ?e?? ?B?? ?a? pe????feta? ?ept?μ??ste?a st? pa??? ?????af? e??as?a? ap?te?e? s?μa?t??? ?a? a?ap?spast? μ???? t?? ?e????te?? ?????t???? st?at?????? ?a t?? a?a?e?s?μe? p???? e????e?a?. ? ??st?ate?a ap?s??pe? st? ?a ep?ta????e? ? a??pt??? t?? st?at????? sta p??μa st?d?a t?? μ???? t? ?t?? 2003. ?? epe?d?t???? e??a????e? ?a

?p???aµµ?st??? µe d?af?µ?st???? d??se?? ?a? ???e? d??se?? d?µ?s??? s??se?? . ?a e????? ?a?
????t??? p????µµata ?a? s??d?a ?a p??se???s??? t? e?d?af???? ?d??t???? epe?d?t?? ?a? ?a
s?µp????s??? ta ?ef??a?? t???. ?a µ?t?a st????? a??? ?a? ? s?µp????µat??? ??at???
???µat?d?t?s? p??pe? ?a ep??e?t????? se Bas????? t?µe??, ?ste ?a a?????? ? ep?pt?se?? ?a?
? d?af??e?a t?? s??d?asµ???? e?e??e???

???B??peta? ?t? ? ??st?ate?a ?a apa?t?se? epe?d?t???? ???µat?d?t?se?? p?s?? ????? 30 d??
EURO pe??p?? ap? ta ?p??a t? 75-80% ?a p????eta? ap? ?d??t???? p???? . ?a ?p????pa ?a
p??????ta? ap? ??at??? p????µµata ?a? s??d?a, ta ?p??a ?a? ?a d?s??? ???s? st?? ?d??t????
epe?d?se??, µa?? µe t? pa??t? st????t???? d??se?? p?? ?a ap?te??se? Bas??? µ???? t??
??st?ate?a?. ? e???? µ???? ap? t?? apa?a?t?t?? ??at???? e??s??s?? B??s?eta? ?d? ?a? ?d?? ?a?
s?ed??eta?, ????? se e???? ep?ped?, a??? ep?s?? ?a? sta ?????t??? p????µµata. Ta p??pe?
?st?s? a?t? ?a ep??e?t????e? µe t?? ?at????? t??p? se Bas????? t?µe?? t?? ??st?ate?a?, p??
apa?t??? e????µ? s??e??as?a ?a? s??t???sµ? µeta?? ?p?t??p?? ?a? ??at?? µe???. Ta ??e?aste?
ep?s?? ?a a????e? s?µa?t??? ?a? ?at????a ? ??at??? ???µat?d?t?s? ??a t?? ?p??? pe??d?,
p???e?µ???? ?a ep?te????? ? st???? t?? ??st?ate?a?.

??S?µ? s?µas?a ??a t?? ??st?ate?a ??e? a??µa ? ?s???? d?sue?s? t?? B??µ??a??a? ?a? ?????
e?de??µ???? epe?d?t?? . ?? ?s?? s?µa?t??? e??a? ep?s?? ta ???t? µ??? ?a s?µµet?s???? e?e??
s' a?t??, t?s? µe p????s? t?? s??p?? t?? ??st?ate?a? ?s? ?a? µe t?? ep????t??s?
p????aµµ?t?? ?a? ????? s?ed??? p??? st??? st???? t?? . ????? t?? ?p?t??p?? e??a? ?a
?atast?se? d??at? t? ???µat?d?t?s? µ?s? ?????t???? p????aµµ?t??, s??d?asµ???? d??se?? se
????t??? ep?ped?, t?? pa???? t?? ?at?????? ?a t?? ??st?ate?a p?a?s??, e?? t? ????? ??a??
??a t?? s??p? a?t?? ?a e??a? t? p????aµµa ALTENER II. ???pe? ep?s?? ?a p????se? t?
S?µp?a?? µe d?µ?s?e? a???? ?a? t?? ?d??t??? t?µ?a ?a?? ?a? ?a pa?a?????e? t?? e????? t??
??st?ate?a?.

? ??st?ate?a s??stata? st?? ep?µe?? ep???? t?µ??? p??te?a??t?ta?, st?? ??d?s? pa??t??
µ?t??? efa?µ???? ?a?? ?a? se ?ate????t???e? ??aµµ?? a?af???? µe t?? ???µat?d?t?se?? . ?
??st?ate?a de? ap?te?e? a?t?s??p? a??? s?ed??st??e µ???? ?a ?a d?se? st? s??????
????t??? st?at???? ?a t?? a?a?e?s?µe? p???? e????e?a? ??a a???? s?µa?t??? e????sua ??a t??
ep?t??a t?? st???? 12% µ???? t? ?t?? 2010.

? d?e?a???? t?? ??st?ate?a? ?????s?? ?p?? ?????eta? pa?ap???, ?a p??sa?µ??eta? a????a µe
t?? a?t?d??se?? t?? e?d?af e??µ???? st? pa??? ?????af?, ?a ?aµß????ta? de ?p??? ?? ?e?
e?e??e?? st??? t?µe?? e?d?af ?????t??.

???????? I – ?as????t?µe??

1. ????a?? e????e?a

1.1 F?t?B??ta??? s?st?µata 1,000,000 kWp

? t?µ?a? t?? f?t?B??ta???? (F?) ap?te?e? ????? te????????a µe µe????e? d??at?t?te? e?a????? se µ?a p????a?ta????st??? pa????µa a???? ?p?? e?t????sseta? ??t???? a?ta????su?? µe t?? ?ap????a ?a? t?? ? ? ? . ?p????e? µ?a p??? d?ast????a B??µ??a??a F? st?? ???p?, ? ?p??a ?a p??pe? ?a ?p?st?????e? st?? p??sp??e?? t?? ?a a?apt??e? pa?ap??a t?? e?????e? ?a? e??te????? a????? t?? . ??t?? t?? µe????? e??pa???? eta??e??? e????e?a?, p????? µ????µesa?e? ep??e???se?? d?ast????p????ta? st?? ???d?. ?p????e? p????pt??? ?a a????e? ? a??µ?? t??? ?a? ?a d?µ????????? p????????µe? ??se?? e??as?a?.

??e???eta? f???d??? ?a? e?tat??? e?st?ate?a p????s?? t?? ???d?? ?ste ?a µp???se? ?a d?µ????????e? e??e?a B?s? a????? p?? ?a ep?t????e? t?? s?µa?t??? pt?s? t?? t?µ?? . ?ts? ???p?? ? ??st?ate?a ?a d??µ?????se? µ?a s?µa?t??? p??t?B????a st?? e????e?? ???pa??? ???s? ??a t? d?µ??????a e????a? a????? 650.000 kWp F? ?a? µ?a p??t?B????a ??a e?a????? F? s?st?µ?t?? 350.000 kWp st?? a?apt?ss?µe?e? ???e?.

? e???? µ???? t?? a?µe??µe??? a????? F? ?a s??d?eta? µe ?t???a??? efa?µ????, e?d????te?a st?? ???p? ?p?? ta d??t?a ??e?t??su?? f????? s?ed?? se ????? t??? ?ata?a??t?. ? p??e? ?a p?a?µat?p????e? µ?a ??st?ate?a ??a t?? e??at?stas? F? s?st?µ?t?? ???f?? 450.000 kWp st?? ???pa??? ???s?, µe t?? e??at?stas? 150.000 s?st?µ?t?? µ?s?? d??µ????t?ta? 3 kWp t? ?a????a. ? p??e? ?a efa?µ?ste? p????µµa 150.000 kWp se p??s??e?? ?t????, se eµp????? ?a? d?µ?s?a ?t???a ?a??? ep?s?? ?a? se t????st????, a???????? e??atast?se?? ?a? e??atast?se?? a?a?????, µe t?? t?p????t?s? 5.000 s?st?µ?t??, ?µB????ta? ?? B?s? ??a µ?s? µ??e??? 30 kWp ??a ???e ?t???? . ? e?st?ate?a st?? ?? µp??e? ?a s?µp?????e? µe ep?p???? d??µ????t?ta, ??a µeµ????µ??a a?e????t?ta s?st?µata t?? 50 MW. ?a s?st?µata a?t? µp????? ?a e??atast???? se ap?µ????µ??a ?t???a (?p????? pe??p?? 300.000 t?t??a ?t???a st?? ???s?), se µ???? ?s??t??? d??t?a (e?d????te?a st? ? es??e?a?? pe?????) ?a? se ?t???a d?a??p??, e?d????te?a st?? S?a?d??aB???? ???e?. ? e?st?ate?a µp??e? ?a ?a????e? t? 21% t?? 3 GWp t?? ?p????????µe??? d??µ????t?ta? ?p?? pe?????feta? st? ?e??? ??B?? . ???e?ta? ??a p??? s?µa?t??? e?st?ate?a ??a t? µ????? t?? F?, ?st? ?a? e?? e?d?af ??e? ???te?a ap? t? 1% t?? 20 e?at. sp?t??? ?a? µ? ?????st???? µ????d?? p?? p??a?????e?ta? ?t? ?a ?t?st??? ap? t??a µ???? t? 2005. ?a ???µe?a a?t? de? ?µB????? ?p??? t? e??s?? µe???? d??µ???? ??a e? t?? ?st???? ef?d?asµ? t?? ?pa????t?? ?t????? µe F?.

?a F? µp????? ?a s?µB????? s?µa?t??? st?? ??e?t??d?t?s? ??? t?? 1 d?? a????p?? p?? de? ????? ?e?t??? ?e?µa st?? a?apt?ss?µe?e? ????e? . ??a p??? s?st? s?ed?asµ??? ?a? ap??e?t??µ??? ?e?t??? d??t?? ?µ????? d??µ????t?ta?, ??a Bas???? µ????µ??µ a????e? e??a? t? µ??? ?ea??st??? s?st?µa p?? µp??e? ?a efa?µ?ste? se p??B????µ? ?????? d??st?µa 20 ??? 25 et?? . ? d??µ????t?ta t?? F? st?? a?apt?ss?µe?? µ? ?e?t??d?t?µe?? ??su? ?p?????eta? ?t? ?epe???e? ta 16 GWp. ? ???p? µe t? B??µ??a??a t?? µp??e? ?a? p??pe? ?a pa??e? ?et??? ??? st?? ??? d?ad??as?a. ? t????? ?st?ate?a pe??µB??e? µ?a e?a????? p??t?B????a ??a 350.000 s?st?µata ???su?? F?, µ?s?? d??µ????t?ta? 1 kWp t? ?a????a, ??a t?? a?apt?ss?µe?e? ???e?. ?µfas? ?a p??pe? ?a d??e? se s?st?µata ??e?t??d?t?s?? a????t???? ?????????? (150 MWp), a?? ?a ?a??f???? ?e? ?? Bas???? efa?µ???? (?t??s? ?e??? - 80 MWp, ??pa?de?s? - 80 MWp, ??e?a - 20 MWp, ?p????????e? - 20 MWp).

? ??st?ate?a ?a pe??µB??e? t?? e??? s??e???µ??e? d??se??:

- p????s? t?? F? sta s??e?a ?a? se ???a d?µ?s?a ?t???a. ? d??s? a?t? de? ??e? µ??? e?pa?de?t??? a??a ??a t? ???s? ?a? t? s??e?d?t?p???s? se p??µ? ?a? ?ea?? ?????a, a??? ep?s?? e??a? ap? te????? ?p??? e?d?af????sa af?? e?a??st?p??e? t?? a????? ap????e?t???? ????? a??? ?a? se p????? pe??pt?se?? ?a t??e? s?µf????sa? ???µat?d?t?s??.

- ?????t?a ??a efa?μ???? F? st?? t????su?, st?? a????t?su? ?a? se d?ast????t?te? a?a?????, p?? p??sf????? s?μa?t???? d??at?t?te? ??a??p????s?? ?s????? ep??a??? a??μ?? st?? μa???? t????su?. ?????ste s?μa?t???? p?s?st? t????st???? ????? e??a? ap?μ????μ??? ?a?? ?e??? ? ?at? ??? t??p? d?s???? ?a t??f?d?t??e? ap? ta s????? d??t?a-
- ?????t?a ??a ???μat?d?t?s? ap? d?μ?s?a tμe?a ?a? d?μ?t???? ep??e???se??, ??a pa??de??μa ep?μe????ta? t? ??t?a ??st?? t?? F? se ????? t?? ?ata?a??t?? ?a? ??? μ??? st??? pe??te? p?? t??f?d?t????ta? μe ???a?? ?e?t??su?.

?? s?μe???? μ?s? ??st?? t?? F? ??a efa?μ???? s??dedeμ??e? μe t? d??t?? e??a? pe??p?? 6 €Wp. ?? ??st?? a?t? a?μ??eta? ?a μe??e? s?μa?t???? ta ep?μe?a ?????a. ?p?t??eta? ?t? ??a t?? pe??d? 1999-2003, t? μ?s? ??st?? ?a fi?se? ta 4 €Wp. ?? ??st?? a?t? ??μa??eta? a?????a μe t?? t?p? efa?μ???? ?p?? μp??e? ?a de? ?a?e?? st?? ep?s??apt?μe?? p??a?a. ?? s??????? epe?d?t?? ?st?? p?? ?e??eta? ??a t?? ??st?ate?a F? ?p????eta? se 5,3 d?? €

1.2 ????a??? ?e?μ???? s????te? 15 e?at. m²

? ?????e?μ??? te????????a ??a ?e?μ??se?? e??a? pe??p?? e?te??? ???μ?. ??at??e?ta? p????ta ?????? p????t?ta?, ??a?? s?st?μata ?e?t?????? ?a??p????t?? ?a? ? pa?a????t?t? t??? e????μ???. ?p????e? ?st?s? p????pt?? ?a pe?a?t?? μe??se?? t?? ??st?? pa?a???? se μe???? ??μa?a ?a? ??a Be?t??se?? t?s? st?? pa?a?????? d?ad??as?e? ?s? ?a? st? μ??et????.

? a???? epe?te??eta? μe ep?ta????μe???? ???μ??: ap? t? μ?s? e?at?μμ???? tet?a????? μ?t?a ???a??? s????e?t?? p?? pa????sa? t? 1993 ?ftase s?μe?a et?s?? ???μ? e??at?stas?? ??a e?at?μμ???? tet?a????? μ?t?a. ? ???a ep??tas? t?? a????? ep??e?t??eta? se μ?? t?e?? e??pa???? ???e? t?? ???s?? (??st??a, Ge?μa??a ?a? ???da). St? ?e?? ?B?? ?p????eta? ?t? μp??e? ?a ep?te??e? s?????? e??atest?μ??? d??μ????t?ta 100 e?at?μμ???? tet?a????? μ?t?? μ???? t? 2010. G?a ?a d?at????e? sta?e?? ???μ?? a??pt???? t?? a???? ep?B??eta? ?a d??μ?????e? μ?a μa??p??esu? d??s? ??a t?? ??a?? B??μ??a??a, t?? ep??e??μat?e? t?? a???? ?a? t?? d?μ?s?e? a????. ? ??st?ate?a ?????s?? ?a s?μB??e? ??s?ast?? p?? a?t? t?? ?ate????s?. ? pa?a???? ????a?? ?e?μ?? ?dat?? (DOW) apet??ese μ???? s?μe?a t?? ???a efa?μ??? t?? t?μ?a. ?? d??at?t?te? pa?ap??a d?e?sd?s?? st?? a???? t?? s?st?μ?t?? DOW e??a? a??μ? p????μe?, e?d??te?a st?? ???e? ?a? pe????? e?e??e? ?p?? ? pa????a t?? e??a? as?e?? ? a??pa??t?. ???a? e?a??et?? s?μa?t???, ?st?s?, ?a μp????s?? ?a d?e?sd?s?? st?? a???? se e??e?a ??μa?a ?a? ???e? efa?μ??? (μe??a ?????? ?fe?e?a? s?st?μata, ast?? ??μa?s?, ??μa?s? ?a? ??? ?????, ?p.) p?? ????? ????μ?se? ap? te?????? ?p???. ? ??st?ate?a ?????s?? ?e? ?? st?? ta 15 e?at?μμ???? tet?a????? μ?t?a s????e?t?? ??a t? 2003 ?a? ep??e?t??eta? se 5 t?μe?? t?? a????:

- ?a?a??? ?e?μ?? ?dat?? ??a ??????????. ???atest?μ??? d??μ????t?ta 5 e?at?μμ???? tet?a????? μ?t?? st?? ???e? ?a? pe????? e?e??e? ?p?? ? a???? ?e?μ???? e????e?a? de? e??a? a?ept??μ??? fa??eta? ?a ap?te?e? p?a?μat?p????s?μ? e?t?μ?s? t?? ??st?ate?a?. Ta p??pe? ?a ?ataB??e? e?d?? p??sp??e?a ??a t?? a??pt?? t?? a???? st? ??t?a ???p? ?p?? ta ?????μ??? st??e?a eufa????ta? e????te?a.

- ? e??a s??eta ???a?? s?st?μata. ???f??a s?st?μata ????? e??atasta?e? ?at? t? d????e?a t?? te?e?ta?? et?? se p???? ???e? t?? ??, ????? ?? s??d?a ep?de????. ? ? d?s????e? p?? s??d??ta? μe t?? s?ed?asu? t?? s?st?μat??, t? Be?t?st?p????s? t?? μe?e?? ?a? t?? s??t????s?? t?? e??atast?se?? ????? t??a te?e? ?p? ?e???. ? e??s??s? t?? ??st?ate?a? μp??e? ?a s?μB??e? ?ste ?a ep?te??e? e??atest?μ??? d??μ????t?ta 3 e?at?μμ???? tet?a????? μ?t?? st?? t?μ?a a?t??.

- T??μa?s? ?????. ? efa?μ??? a?t? ?e? ???et??e? ????? sta B??e?a μ?? t?? ???p??, af?? e??a? p?? e?d?af????sa af?? ? d????e?a ?e?μ??se?? e??a? μe????. ? p??e? ?a ???s?μ?p????e? ?? ?p?st???? t?? s?μBat???? s?st?μ?t?? ??μa?s?. ? e?e?? ?p?st???? t?? t?μ?a ?at? t? d????e?a t?? ??st?ate?a? μp??e? ?a s?μB??e? st?? e??at?stas? 3 e?at?μμ???? tet?a????? μ?t?? s????e?t?? ??a t?? t?μ?a a?t?.

- ?st??? ???µa?s?. ???e?ta? ??a t?? p?? ?????µ??? ?????????? t?p? ???sµ?p???s?? t?? ?????µ??? e???e?a?. ?????? pe????? t?? ?a??a? ?a? t?? S???d?a? ????? e??p???ste? µe ???a????? s?????te? p?? ?a??pt??? 1.000 ??? 5.500 tet?a?????? µ?t?a. ??au??eta? sµa?t??? d?e????s? t?? a????? st? ?a??a, S???d?a ?a? Geµa??a ?p?? s???? ?e?t?????? sta?µ?? ast???? ???µa?s?. ??au??eta? ?t? ?a p?????e? ? e??at?stas? 2 e?at?µµ???? tet?a?????? µ?t??? at? t? d????e?a t?? ??st?ate?a?.

- ??µat?su?? ?a? B??µ??a???? ???µa?s?. ??µ???? ????a??? s?????te? µp???? ?a ???sµ?p?????? ?a t? ???µa?s? ?e?st?? µetaf???? st??? 110°C, µe ap?te?esuat??? t?p?. ? ???? p??? ???µa?s?? µp??e? ?a ???sµ?p???e? se s??d?asu? µe sta?µ??? ????? d? ap????f?s?? se s?st?µata ???µat?su?? ? ?at' e???e?a?, ?? µ???d?? B??µ??a???? ???µa?s?. ??e? a?t?? ?? efa?µ???? ????? efa?µ?ste? pe??µat??? ?a? µe ep?t???a st? ??t?a ?????p?. ? ?a e??atest?µ??? d??µ????t?ta 2 e?at?µµ???? tet?a?????? µ?t??? st?? t?µ?a a?t?? fa??eta? ?t? e??a? ef??t? ?a? e??ta?a, ded?µ???? t?? ?e????t?? ?t? ?p???e? µe????? a??µ?? ???µat?st???? e??atast?se?? st? ??t?a ?????p?.

? sµe?a ?e?t????? µ?s?? ???a??? s?????t?? ??st??e? ??a t?? pa?a???? ?e?µ?? ?e??? sta ?????????? pe??p?? 500 €m2. ?? ??st?? a?t? p?ste?eta? ?t? ?a µe???e? ta ep?µe?a ?????a. ??au??eta? ?t?, ??a t?? pe??d? 1999-2003, t? µ?s? ??st?? µp??e? ?a ft?se? ta 400 €m2. ?? ??st?? p?????e? a?????a µe t?? t?p? t?? e??at?stas??, ?p?? µp??e? ?a de? ?a?e?? st?? ep?s??apt?µe?? p??a?a. ?? s?????? epe?d?t??? ??st?? p?? ?e???eta? ??a t?? ??st?ate?a ???a??? s???e?t?? ?p?????eta? se 4,7 d?? €

2. ?????? e????e?a

??µ???e????t??e? 10,000 MW

? a????? e????e?a sµe?a e??a? a?ta????st??? ?a? ??e? e???te?a e??atasta?e? se s???e???µ??e? t?p??es?e? ?p?? ?p????? e?????? s?????e?. ? ? pe????? p?? eufa????ta? ?at?????e? ??a efa?µ???? a?????? e???e?a? e??a? e??atespa?µ??e? se ??? t?? ???pa??? ???s?. Sµe?a, µe????? ap? t?? e??atast?se?? a?t?? a?t?µet?p????? p??s?ete? dap??e? ???? t?? ?a?at????st???? t?? ????? ?p?? ????? e??atasta?e?, p???µa p?? a????e? t? ??st?? e??at?stas?? ?a/? ?e?t?????a? (pe????? ap?µa???sµ??e? ap? ?p?????ta d??t?a se p??? ????? ? p??? ?est? ? ?e????d? ???µata st?? a????t? ???assa, se ???s??, se ap?µa???sµ??e? a????t??? pe????? ?p.). ??d????e?a, ?p????? te??st?e? d??at?t?te? ??a a?????? f??µe? st?? a????t? ???assa. ??t?? eufa????? t? p?e????t?µa ?t? ep?fe????ta? µe????? a?????? ta??t??, a? ?a? p??fa??? ? p??sBas? s?a?t?? e??a? d?s????. G?a ?a ep?te???e? µe????? ???µa?a? d?e?sd?s? t?? a?????? e????e?a? st?? ???pa??? ???s? t?t??e? pe????? p??pe? ep?s?? ?a a??p?????. ?p?µ???? ?e???eta? e?d?? e?st?ate?a p?? ?a ?p?st????e? t?? µe???e? a?????? f??µe? se t?t????? ?????? ?a??? ?a? efa?µ??? ?a? ? p??sa?µ?sµ???? te??????a?. ?? p????µµa a?t? s??ep?eta? saf?? ?p??a ?d?a?te?? µ???µa ?a t?? p???? e?d?afe??µe?e? e??atast?se??.

? ? e??atast?se?? a?????? e????e?a? ??a 10.000 MW p?? p??te????ta? ed?, a?t?p??s?pe???? t? 25% t?? s????????? ef??t?? d?e?sd?s?? t?? a?????? e????e?a? ??a t? 2010, p?? µ??µ??e?eta? st? ? e?? ?B?? ? st??? t?? 10.000 MW µp??e? ?a d?a?e?e? se 2 ?p?-st???? ?a d?af??et???? t?µe?? t?? a?????. G?a ???e t?µ?a a????? ? ????? efa?µ???? ?a? ?? e?d?afe??µe??? pa????te? µp????? t?te e????te?a ?a e?e??e???? ? ?te t?µe?? a????? ?a??pt??ta? st?? ??st?ate?a ?????s?? µe p??B?e?? ?a ????e t?µ?a, se ?,t? af??? t?? a?µe??µe?? e??atest?µ??? d??µ????t?ta ?a t? ?????? pe????? t?? ??st?ate?a?:

- ?d??t??? a?µ???e????t??e? ? ???? t?? s????? p?????e? ap? µe???? kW se 2 MW. ???a? ?d??t?s?a a????t??, µ????? s??eta???su??, t?p???? a????, B??µ??a???? ep??e???se?? ?p. ? ??st?ate?a ?p?st????e? e?e??e? t?? µ???de? p?? e??a? e??atest?µ??e? se ap?µ???µ??e? pe?????, ???s??, ?????? ?µ???? a??µ?? ?p?????µe?? d??µ????t?ta 450 MW.

- ? ????? eµp????? a?????? f??µe? (<5MW). ? ? f??µe? a?t?? ????? e??atasta?e? ap? epe?d?t??? ?µ?de?, µe????? s??eta???su??, B??µ??a???? ep??e???se?? ?p. ? ??st?ate?a

p??pe? ?a st????e? t?? e??atast?se?? p?? B??s????ta? ?d? se ?e?t????a se af????e?e? pe?????, ap?μ????μ??e? pe?????, ??s??, pe????? μe a??μ??? ?aμ???? ?tas?. ?p?????μe?? e??atest?μ??? d??aμ????t?ta 1.000 MW.

- ? e????e? eup????? a????? f??μe? (5 - 100 MW). ? e????e? e??atast?se?? p?? ????? te?e? se ?e?t????a ap? e?e?d??e?μ???? ep??e??mat?e? (a?e????t???? pa?a????? ?e?t??su?) ?? ?p???? ????? ?atas?e??se? ?a? ?e?t????? t? ??? s??d?. ? ? a????? f??μe? p?? ????? e??atasta?e? st?? a????t? ???assa, se af????e?e? pe?????, μa???? ap? d??t?a ?a? se ????? a??μ?? ?aμ???? ?tas?? ?a ?p?st????????? sta p?a?s?a t?? ?st?ate?a?. ?p?????μe?? e??atest?μ??? d??aμ????t?ta 4.500 MW.

- ? ?????? f??μe? ????? ?fe?e?a? (5-100 MW). ? ??e?t??su?? ap? a????? e????e?a ap?te?e? μ???? μ??t?? pa?a????? t?? e??atast?se?? ? ?????a ?p?st????? ?a d??e? se e??atast?se?? a????t?? ?a??ss??, a?? ep?s?? ?a? se e?e??e? p?? e??a? e??atest?μ??e? se af????e?e? pe????? ?a? pe????? a??μ?? ?aμ???? ?tas?. ?p?????μe?? e??atest?μ??? d??aμ????t?ta 3.000 MW.

- "F????? a?????" St?? ?at????a a?t? pe???aμB????ta? s?et??? μ???? ap?μ????μ??e? e??atast?se?? ??a ??e?t??d?t?s? a????t?? pe????? μe μ???? ? a??pa??te? ?p?d?μ??, ?p?? ep?s?? ?a? e?d???? efa?μ???? d?? a????? afa??t?s?, a?????-?t??e?, pa?a???? p????, ??t??s? ?e??, t??ep??????e? ?p. ?aμ??eta? ?t? ? e??atest?μ??? d??aμ????t?ta se ??s?? ?a? ap?μ????μ??e? pe????? ?a ft?se? ta 1.000 MW.

? ? p??sp??e?e? t?? e??pa??? ?atas?e?ast?? ?a s?ed??s??? ?a? ?a ??s??? se d??μ? ??e? a?eμ??e????t??e? ?a e??s????? ep?s?? e?e??? ap? t?? ?st?ate?a. Ta p??pe? ?a pe????f????: μ?a ??a ?e??? μ??a??? p???? μe?aB?t, e?d??te?a st?? efa?μ???? a????t?? ?a??ss??, e????ta ?a? e?af?? s??d?a, μ???? ?e?t???????? t??μp??e?, e?d?? s??d?a ??a ?aμ???? ? ????? ta??t?e? a??μ?? ?a? ??a ????? a????t?? ?a??ss?? ? e??atast?se?? af????e?? pe?????. ?p????eta? ?t? μp???? ?a a?apt????? ?a? ?a te???? se d??μ? e??atast?se?? 50 MW WTG ?at? t?? pe??d? t?? ?st?ate?a?

?? μ?s?-p??? e??at???- ?st?? t?? a?eμ??e????t???? ??a a????? f??μe? s?μe?a e??a? μ????te?? ap? ta 800 €kW e??atest?μ???? ?s????. ?? ?st?? e?p????t?? t?? s?ed??? e?a?t?ta? ??t??a ap? t?? t?p???? s????e?, ?p?? ? p????t?ta t?? ed?f??, ?? ?d???? p??sB?se??, ? e??t?ta ?e?t????? ?p?sta?μ?? d??t??, ?p. G?a ep?pede? ?e?sa?e? e??atast?se?? t? s????? ?st?? μ?a? a????? f??μa? e??a? pe??p?? 1.000 €kW. ?? ?st?? a?t? μp??e? ?a a????e? s?μa?t?? st?? e??atast?se?? a????t?? ?a??ss?? ?a? se pe????? e?d???? s?????. ?p? t?? ??? μe??, t? ?st?? a?μ??eta? ?a p?se? ?at? t????st?? 20% μ???? t? 2005. ?p?μ???? e??a? ????? ?a ?p??se? ?a?e?? ?t? t? μ?s? epe?d?t?? ?st?? ??a t?? pe??d? 1999-2003 μp??e? ?a ft?se?ta 800 €kW ??a ep?pede? ?e?sa?e? pe?????. ? ep??d?s? p?? ?e??eta? ??a ta p??te??μe?a 10.000 MW ?a e??a? t?? t???? t?? 10,1 d?? € (B?. ep?s??apt?μe?? p??a?a).

3. ???μ??a

? B??μ??a ap?te?e? p??? d?aded?μ??? p??? e????e?a? af?? pe???aμB??e? e?t?? ap? t? B??μ??a t?? ????? ?a? ?at????pa epe?e??as?a? t?? B??μ??a??a? ?????, e?e??e?a?? ?a?????e?, a????t?? ?at????pa ?a? ap????μa?ta d?at????? B??μ??a????, ?p???? ?a? t?? ???a????? ???suat?? t?? ast???? ste?e?? ap????μμ?t??, ????? ????a?? ap?B??t?? ?a? ??sp?? sta?μ?? epe?e??as?a?. ? e????e?a t?? B??μ??a? e??a? e????st? ?at? t? ?t? μp??e? ?a pa?a??e? ?e?t??su?, ?e?μ?t?ta ? ?a?s?μ? ???μ?t?? a????a, ?a? se a?t??es? μe t?? ?e?t??su? μp??e? ?a ap????e?te? μe ap?? ?a? s????? ?????μ?? t??p?. ?p?p????, ?? μ??de? pa?a???? μp???? ?a e??a? e?te μ???? ?μa?e? e?te ?s???? p???? μe?aB?t. ? s????? st???? t?? ?e???? ?B?? ?a t?? a??s? t?? s?μuet???? t?? a?a?e?s?μ?? p???? e????e?a? ??? t? 12% μ???? t? 2010 μp??e? ?a ep?te??e? μ?? μe e??e?a ??s? B??μ??a?. G?a t?? ??? a?t??, t? μ???? t?? e?st?ate?a? p?? af?? t? B??μ??a ??e? ?d?a?te?? e?d?af ???? Ta ?a??e? e?? f?sua ep??e?μ???? efa?μ???? ?a? st?? t?e?? pe????? t?? ??t?s?? - ?e?μ?t?ta, ?e?t??su? ?a? μetaf???? ? s????? s?μB?? t?? ?st?ate?a? e?t?μ?ta? se 14,5 Mtoe, p?? a?t?st????? st? 16% t?? p??B??e?? t?? ?e????

? B???, ??a t? d?e?sd?s? t?? B??µ??a? µ???? t? 2010. ? ? epe?d?se?? p?? apa?t??ta? ??a t? ??? a?t? st?? ??st?ate?a e?t?µ??ta? se 12,4 d?? €

3.1 ???atast?se?? s??d?asµ???? ?e?µ?t?ta? ?a? ??e?t??sµ?? ap? B??µ??a t? ? 10,000 MWth

? B??e????e?a ap?te?e? µ?a ap? t?? pe??ss?te?? ?p?s??µe?e? s??st?se? t?? t?µ?a B??µ??a?, ?a? ? de s??d?asµ??? ?e?µ??? ?a? ??e?t???? e????e?a µe t? ???s? B??µ??a? eµfa??e? t?? µe?a??te?e? d??at?t?te? a??p??s?? µeta?? ??? t?? a?a?e?s?µ?? e?e??e???. ?at? s??pe?a, e??a? s?µa?t?? ?a t?? ??st?ate?a ?a p????se? ?a? ?a e??s??se? t?? ap??e?t??µ?? pa?a???? B??e????e?a? se ??? t? ?daf?? t?? ???pa???? ???s??. ??t???? e?d?? e??atast?se?? ??µa????ta? ?? p?? t?? ?s?? t?? ap? µe???? e?at??t?de? kW se p???? MW ?a? s??d???? d??f??e? te??????e?, a????a µe t?? t?p???? s????e?, pe??µβa??µ??? ?a? t?? d??at?t?ta? st??f?? p?? t? pet??a??. ?p?? e??a? d??at? ?a p??pe? ?a a??p????ta? a?t?? ?? d??at?t?te? ??a e????????sµ??? pa?a???? se pe??fe?e?a?? ?a? t?p?? ep?ped?.

? p??B?ep?µe?? s?µβ?? t?? B??µ??a? se e??atast?se?? s??d?asµ???? pa?a???? ?e?µ?t?ta? ?a? ??e?t??sµ??, ?p?? pe????feta? st? ?e?? ?B??, µp??e? ?a fit?se? ta 26 Mtoe µ???? t? 2010, p??µa p?? a?t?st??e? se ????? e??atest?µ?? d??µ????t?ta 20 GWe ? 60 GWth, ?at? p??s????s?. ? ep?te?? t?? st???? t?? 10 GWth µe t? B??e?a t?? pa??sa? ??st?ate?a? a?t?p??s?pe?e? t? 1/6 t?? p?s?? a?t??. ??d??te?a, e??a? s?µa?t?? ?a ??f???? ta ?at????a µ?t?a ?at? ta p??ta ?????a t?? s?ed?? d??s??, ?ste ?a a????e? ? a???? B??e????e?a?.

3.2 1.000.000 ?t??a ?e?µa??µe?a µe B??µ??a

S?µe?a ? p?? s?µa?t?? a???? ?a t? B??e????e?a st?? ???pa??? ???s? e??a? ? a???? ??µa?s?? ?µ???? ?e?µ??as?a?. ? B??µ??a ?a ??e? µe?a??te?? s?µβ?? st?? ???a?? ??µa?s?. Ost?s? ?? t??p?? ??µa?s?? e??a? d?af??et???? ap? t? µ?a ??a st?? ???.

? e??ss?te?a ap? ta 85% ??? t?? ?t???? st?? ?? ?e?µa????ta? µe at?µ?? a?? ?t???? s?st?µata ?e?t???? ?µa?s??. ?????a µe t? ???a ep??ate? t? pet??a??, t? f?s?? a???? ? ? ?e?t??sµ?? Se ???e? ?p?? ta d?s? pa???? pa?ad?s?a?? ?p?? ???, ta p????ta t?? das??a??e??e?? ?s?µp????a? ?a t? ??µa?s? sp?t?? ep? a??e?. Ost?s?, ? a??µ?? t?? sp?t?? p?? ?e?µa????ta? µe ???a ?s? p?e? ?a? µe??eta?. ???a? s?µa?t?? ?a a?at?ape? ? t?s? a?t? µe t?? e?sa???? µ??t????, ?e?t?????? ?e?µast?? µe ???a (?a?s????a, ap??µµata ?????, p????ta s?ss?µ?t?s?). ?? te??????e? ???a?? ??µa?s?? µe ??? s?µe??sa? s?µa?t?? e?e??e?? t?? te?e?ta?e? d?? de?aet?e?. ? ? e?p?µp?? pe????st??a? s?µa?t?? ?a? ta?t????a ? ap?te?esuat??t? t?? s?µe??se ??µata pe????ta? ap? t? 50-55% st? 90% ?a? ??? ? ? p??p??se?? ?p???? p?? ?a ep?t???? ?a Be?t??e? ? e????a t?? ???a?? ??µa?s?? µe ???a, pe????ta? t?? a?t???? µ?a? apa??a??µ???? p?a?t???? p?? t?? a?s??s? ?t? p??e?ta? ??a µ?a ?a ?at?stas? ????? te??????a? ?a? ????????? ?e?t????a?.

? ast?? ?e?t???? ??µa?s? (µe ? ????? s?µpa?a????) d??e? d??at?t?te? ?a p??sfe??e? ??µa?s? ?µ???? ?e?µ??as?a?, a?? ??? t?? ????? epe?d?t???? dapa??? (d??ta d?a??µ?? t?? ?e?µ?t?ta?) ??e??eta? ??µat?d?t?? ?p?st????? ? µ??d?? a?t? e??a? p?? a?ept??µ?? st?? ???e? e?e??e? ?p?? ?p???? ta ?at????a s?st?µata ?p?d?µ?? ?a? ?? ??µat???? s????e? e??a? ?? e?dede??µ??e? (?st? ?a, ?a??a, F??a?d?a, S??d?a).

Se p???? ?e?, ?p?? ? ast?? ?e?t???? ??µa?s? de? e??a? a?ept??µ??, ta ?t??a ?e?µa????ta? ap? s?st?µata ?e?t???? ??µa?s?, ????? µe f?s?? a????. Se pe???? p?? de? µp???? ?a ????? ast?? ??µa?s? ?a? pa???? f?s???? ae????, e??a? d??at?? ?a e??atasta???? s?st?µata ?e?t???? ??µa?s? ap? B??µ??a. ?p???? s?µa?t???? d??at?t?te? ??a µ???? µ??de? s??d?asµ???? ?e?µ?t?ta? ?a? ??e?t??sµ?? ap? B??µ??a ??a µe??a ?t??a (?e??d??e?a, ??s??µe?a, ?t??a ?afe??, f??a?? ?p.) ?a?? ep?s?? ?a? ??a ?t??a?? s????t?µata.

? ??st?ate?a pe??µβ??e? ?a? t?? t?e?? ep???? (at?µ???? ?e?µ?st?e? ?????, ?e?t???? ??µa?s?, ?e?t???? ast?? ??µa?s?) ??a s???? 10.000 MWth ? pe??p?? 4.5 Mtoe.

3.3 ???atast?se?? B??ae???? t? ? 1.000 MW

? a??p???s? t?? B??ae???? pa???s???e? s?µa?t??? pe??Ba????t??? p?e??e?t?µata, af?? s???stata? ?????? ap? µe?????, a???? t? ?p??? s?µβ????e? ??t??a sta fa???µe?a ?e?µ???p???. ?a te?e?ta?a 10 ?????a se ???su??e? ???e? t?? ?? ?ataβ????a? s?Ba??? p??sp??e?e? ??a t?? efa?µ??? µe????? s?ed??? ?e?t????? pa?a????? B??ae????. ?at? t? d????e?a t?? te?e?ta??? ????? et?? p????? µ????? a????t???? ep??e???se?? ?????sa? ?a ?e?t??????? se ???su??e? pe?????? t?? ???s??. ??aµ??eta? ?t? ?a a?apt???e? ??p??a a???? ?a? ??a t?? d?? ep?????. St? ? e??? ??B?? p??B??p??ta? ?t? ? s?µβ??? t?? ?t??t??f???? pa?a????? µe t?? a???p???s? t?? B??ae????, t?? a???B??µ??a????? ap?B??t??, t?? epe?e??as?a? ??µ?t?? ?a? t?? ??µate??? µ???? t? 2010 ?a ft?se?t??? 15 Mtoe. ?p?????eta? ?t? ? st???? t?? ??st?ate?a? ??a t? ?e?t?????a e??atast?se?? B??ae???? t?? 1.000 MW, p?? a?t?p??s?pe???? pe??p?? t? 15% t?? ?????? p??B??e?? t?? ? e???? ??B?? ?a t? 2010, e??a? ???????????.

3.4 5 e?at?µµ????a t???? ???? ? B????a?s?µ? ?

?a ???? B????a?s?µa s??a?t??? a??µ? s?µe?a d?s????e? a?ta????sµ??, ded?µ???? t?? ?aµ???? t?µ?? t?? pet?e?a???, a??? ? a???p???s? t?? e??a? ?d?a?t???? e??ta?a. St? ? e??? ??B?? e?t?µ?ta? ?t? ? a???? ????? B????a?s?µ?? µp??e? ?a ft?se? ta 18 Mtoe t? ????? µ???? t? 2010. ?ts? ? ??st?ate?a µp??e? ?a B????se? s?µa?t??? st?? a??pt??? t?? t?µ?a a?t??, p??????ta? ta p?? pa?a????? e?d? ?a???e??e?? µe µ???st? ?fe?? ?a? µ???µ??µ pe??Ba????t???? s???pe?e?. ???te??eta? st???? 5 e?at?µµ????? t????.

??????

1999-2003

<p>? G????F????G?S, ?????S ????????G? S</p>	<p>?p??????µe?? e??atest?µ??? S???</p>	<p>????S ??????? S</p>	<p>????? G- ??????? ?G????- S?????? S??S</p>	<p>? ?s? µ??da ??st?? se EURO</p>	<p>S???????? epe?d?se?? se d?? EURO</p>	<p>?????F????????? ????G????S</p>
<p>1. S??d?asµ??? pa?a???? ?e?µ?t?ta? ?a? ??e?t??sµ?? * µ????? ???µa?a? <1MW * µesa?a? ???µa?a? 1-20 MW * µe????? ???µa?a? >20 MW</p>	<p>10.000 MWth</p>	<p>* ?p?µ????µ??e? a????t??? pe????? * ?p??e?t??µ??e? a????t??? pe????? * ?????t??? pe????? ?????? ???????s??</p>	<p>2.000 MWth 5.000 MWth 3.000 MWth</p>	<p>1.000 500 350</p>	<p>2 2,5 1,05</p>	<ul style="list-style-type: none"> • ???se?? a????t?? • S??eta???sµ?? • ???µ??a??e? das?p????? • ??p???? a????
<p>1. 1.000.000 ?t???a ?e?µa???µe?a µe * at?µ??? ???a?? ???µa?s? (?a?s????a, ap????µµata ?????, s?ss?µat?µata) * µ???de? ?e?t????? ???µa?s?? * e??atast?se?? ast????? ???µa?s??</p>	<p>10.000 MWth</p>	<p>* ?d?? t???? ?at????e?, a????t?µata * ? e???a ?t???a, ?t???a?? s????t?µata * ???e??, µ???? ast???? ?????t?te?</p>	<p>6.000 MWth 2.000 MWth 2.000 MWth</p>	<p>400 300 700</p>	<p>2,4 0,6 1,4</p>	<ul style="list-style-type: none"> • ???se?? ???st?? • ? ???d?µ???? ep??e??se?? • ???se?? µ??a?????
<p>1. ???atast?se?? B??ae???? t?? 1.000 MW * µe????a ?e?t???? e???st?s?a * e??atast?se?? a????t?µ?t??</p>	<p>1.000 MW</p>	<p>* ??µ?? * ?????t?µata</p>	<p>800 MW 200 MW</p>	<p>1.000 2.000</p>	<p>0,8 0,4</p>	<ul style="list-style-type: none"> • ??µ?t???? e??atast?se?? • ??p???? a???? • ?????t?µata • S??eta???sµ??
<p>5 ??at?µµ????a t???? ?????? B????a?s?µ??</p>	<p>5 e?at. t????</p>	<p>???e??</p>		<p>250</p>	<p>1,25</p>	<ul style="list-style-type: none"> • ???µ??a??e? pet?e?a??? • ?a? a?t????t?? • ? s t???? µetaf???? • F??e?? p??e?d?µ?a?
<p>S?????</p>					<p>12,4</p>	

F ?

1.000.000 kW_p

1999-2003

? G? ?/? F? ? ? G? S, ? ? ? ? S ? ? ? ? ? G? S	? p? ? ? ? ? - μe?? e? ? atest?- μ?? ? s???	% CTO	? ? ? ? S ? ? ? ? ? S	? ? ? ? ? G?- ? ? ? ? ? ? ? G? ? ? ? ? - S? ? ? ? ? ? S? ? ? ? S	% ?? S? ? ? ? ? ??	? ? s? μ?? da ?? st?? se EURO	S? ? ? ? ? ? ? epe? d? se? ? se d?? EURO	? ? ? ? ? F? ? ? ? ? ? ? ? ? ? ? ? G? ? ? ? S
S? st? μata ? ? ? f?? 450,000 kW_p (150.000 s? st? μata μ? s?? ? s?? ? ? 3 kW _p): ? ? ? ? at? ? ? ? e?, p? ? ? ? at? ? ? ? e?, s? ? ? e? a, t? ? ? ? sμ??, a? ? ? t? ? ? ? e? ? atast? se??	450 MW _p	45	?? e? a ? ? ? ? p? ? ? t? a ? ? ? ? p?	350 MW _p 100 MW _p	35 10	4.000/kW _p 4.000/kW _p	1,4 0,4	<ul style="list-style-type: none"> • ? ? ? se? ? ? ? st?? • ? ? ? se? ? μ? ? a? ? ? ? • ? ? p? ? ? ? a? ? ? ? • ? ? ? d? μ? ? ? ? ep? ? e? ? ? se?? • ? ? ? ? st? ? ? ? β? ? μ? ? a? ? a • ? ? ? ? t? ? ? ? e? ? se?? • ? ? μ? s? e? p? ? μ? ? e? e?
?? ? s? ? e? ? ? t? ? ? ? ? 150,000 kW_p (5.000 s? st? μata μ? s?? ? s?? ? ? 30 kW _p): ? μp? ? ? ? ? ? t? ? ? a, d? μ? s? a ? t? ? ? a, t? ? ? ? sμ??, a? ? ? t? ? ? ? e? ? atast? se??, e? ? atast? se? ? a? a? ? ? ? ?	150 MW _p	15	?? e? a ? ? ? ? p? ? ? t? a ? ? ? ? p?	100 MW _p 50 MW _p	10 5	5.000/kW _p 5.000/kW _p	0,5 0,25	<ul style="list-style-type: none"> • ? ? ? ? ? ? , pe? ? fe? e? a? ? ? • ? ? p? ? ? ? a? ? ? ? • ? ? ? d? μ? ? ? ? ep? ? e? ? ? se?? • t? ? t? ? ? ? st? ? ? ? ? β? ? μ? ? a? ? a? • ? ? ? ? t? ? ? ? e? ? se??
?? e? ? ? ? t? a? ? ? t? ? ? a? ? pt? ? ?	50 MW _p	5	<ul style="list-style-type: none"> • ? ? ? a? ? ? ? sp? t? a (? ? ? ? ? st? ? es? ? e??) • ? ? e? t? ? d? t? s? ? ? s? ? ? (? ? ? ? ? st? ? es? ? e??) • ? ? ? ? ? ? sp? t? a (? ? ? ? ? st? S? a? d? ? aβ? a) 	20 MW _p 20 MW _p 10 MW _p	2 2 1	6.000/kW _p	0,12 0,12 0,06	<ul style="list-style-type: none"> • ? ? ? se? ? ? ? st?? • ? ? p? ? ? ? a? ? ? ? • ? ? s? ? t? ? ? ? e? ? atast? se??
?? apt? ss? μe? ? ? ? ? sμ? ? ?? e? t? ? d? t? s? a? ? ? t? ? ? ? ? ? ? ? ? ? ? ? ?? t? ? s? ? e? ? ? ? ?? pa? de? s? ?? e? a ? p? ? ? ? ? ? ? ? e?	350 MW _p 150 MW _p 80 MW _p 80 MW _p 20 MW _p 20 MW _p	35	?? apt? ss? μe? e? ? ? ? e?	350 MW _p	35	7.000/kW _p	2,45	<ul style="list-style-type: none"> • ? ? e? ? e? ? ? ? a? ? sμ? ? • ? ? ? μat? p? st? t? ? ? ? d? ? ? μat (? a? ? ? sμ? a ? ? ? pe? e UNDP, GEF, ADB, ? ? ?)
? ? ? ?	1.000 MW _p	100		1.000 MW _p	100		5,3	

??a??? S?????te?

15 Mio m²

1999-2003

? G??/? F???? G?S, ?????S ???????? G? S	?p?????- µe?? e??atest?- µ??? ?s???	% ??S?? ?????	????S ???? ? ? S	????? G?- ?????? ?G????- S?????? S??S	% ??S?? ?????	? ?s? µ???da ??st??? se EURO	S???????? epe?d?se?? se d?? EURO	?????F?????? ?? ????G????S
1. ?a????? ?eµ?? ?dat?? ??? ?? ? (2.4-10 m ²)	5 Mm ²	33,3	???e? ?? ?a? pe?????? µe ad??at? a????	5 Mm ²	33,3	400/m ²	2,0	???se?? ???st??
2. ? e????a ????? ????a?? s?st?µata ??s???µe?a, ?e??d??e?a, s?????t?µata ?????, a????t???? e??atast?se?? (>100 m ²)	3 Mm ²	20	??e? ?? ???e? t?? ??	3 Mm ²	20	250/m ²	0,75	?pa??e?µat???? e??se??
3. T??µa?s? ????? (20-50 m ³)	3 Mm ²	20	???e?a ?????p? ??t?a ?????p?	2,4 Mm ² 0,6 Mm ²	16 4	250/m ²	0,75	
4. ?st??? ???µa?s? (>500 m ²)	2 Mm ²	13,3	???e?a ?????p?	2 Mm ²	13,3	200/m ²	0,4	
5. ???µat?µ?? ?a? B??µ??a???? ????µa?s?	2 Mm ²	13,3	??t?a ?????p?	2 Mm ²	13,3	400/m ²	0,8	
S?????	15 Mm ²	100		15 Mm ²	100		4,7	

???

10.000 MW

1999-2003

??/?F??G?S,??S ????G?S	?p????- me? e??atest?- μ??s??	% ??S? ???? ??	????S ????S	????G? ????? ?G????- S????? S??S	% ??S?? ????	?s? μ??da ??st?? se EURO	S????? epe?d?se?? se d?? EURO	????F????? ????G????S
1. ?d??t?? a?eμ??e??t??e? (<2 MW)	450 MW	4,5	??s ??, ap?μ??μ??e? pe????, ??eμ?? ?aμ???? ?tas??	150 MW 150 MW 150 MW	1,5 1,5 1,5	1.000/KW 1.000/KW 800/KW	0,15 1,15 0,12	<ul style="list-style-type: none"> ??te? ? ???? s??eta??sμ?? ??p???? a????
2. ? ???? eμp???? a????? f??μe? (<5MW)	1.000 MW	10	??s ??, ap?μ??μ??e? pe????, ??eμ?? ?aμ???? ?tas??, af????e? pe????	300 MW 300 MW 200 MW 200 MW	3 3 2 2	1.000/KW 1.000/KW 800/KW 1.000/KW	0,3 0,3 0,16 0,2	<ul style="list-style-type: none"> S??eta??sμ?? ? ?μ??a???? ep??e??se?? ?pe?d?t??? ?μ?de?
3. ? e??e? eμp???? a????? f??μe? (5-100 MW)	4.500 MW	45	????t?? ?a??ss??, af????e? pe????, ap?μa??sμ??e? d??t??, ?aμ???? ??tas?? ?eμ??	1.000 MW 1.000 MW 1.500 MW 1.000 MW	10 10 15 10	1.250/KW 1.000/KW 1.000/KW 800/KW	1,25 1,0 1,5 0,8	<ul style="list-style-type: none"> ??e??t?? pa?a???? ??e?t??sμ??
4. ? ?????? f??μe? ?????? ?e?e?a? (5-100 MW)	3.000 MW	30	????t?? ?a??ss??, af????e? pe????, ?aμ???? ?tas?? ??eμ??	1.500 MW 500 MW 500 MW	15 5 5	1.250/KW 1.000/KW 800/KW	1,875 0,5 0,4	<ul style="list-style-type: none"> Sta?μ?? ?e?t???? ?e?μat??
5. «F???? a????» (ap?μ??μ??e?, a????-t??e?, a????- afa??t?s?, t??ep??????e?, pa?a???? p????, ?B??d???? pa?a????)	1.000 MW	10	??s ??, ap?μ??μ??e? pe????	600 MW 400 MW	6 4	1.300/KW 1.300/KW	0,78 0,52	<ul style="list-style-type: none"> ??p???? ?a? d?μ?t???? e??atast?se?? ?ta??e? t??ep???????? ?atas?e?ast?? a?eμ??e??t????
6. ???at?stas? ?a? d??μ?? ??? a?eμ??e??t???? (p??-MW, μ????, e?af??, a?eμ??e??t??e? p??sa?μ?sμ??e? ??a af????e?a μ?? ?a? pe???? ?aμ???? ??tas?? a??μ??)	50 MW	0,5	?e????? d??μ??	50 MW	0,5	2.000/KW	0,1	<ul style="list-style-type: none"> ?atas?e?ast?? a?eμ??e??t????
S????	10.000 MW	100		10.000 MW	100		10,1	

?????? ? II – ? ??f ? s?μf ? ??a?

????S ??S S?? FO??S

?μp?e??μe?a μ???:

.....
.....

? e?μe?? t?? s?μf ? ??a?:

1. ?st?????

? e????af? t?? s?μe????? ?at?stas??, p????pt???? ?a? eμp?d?a

2. St????

?a????su?? t?? st???? (p.?. st???? a??????? ?e?t??su?? MW ? F?, ?.?p.)

3. ???se??

? ept?μe??? pe????af? t?? d??se?? ??a t?? efa?μ??? t?? s?ed??? ?a? t? ?????d????aμμ?
t???- ?ept?μe??? pe????af? ???e d??s?? ??a t?? ep?μe??su? ?a????t?? μeta?? t??
μete????t??.

4. ???μat?d?t???? p????

??af??? t?? p???? ???μat?d?t?s?? ?a? ?ata??μ? t??? sta eμp?e??μe?a μ???,
pe???αβa??μ???? ?a? t?? ??st??? d?a?e??s?? ?a? pa?a??????s?? t?? s?μf??a?

5. ? ?a?e??s ?

?a????su?? t?? e??as??? ?a? ?a????su?? t?? s??es?? t?? ep?t??p?? ?a??d??s?? p?? ?a
d?a?e??ste? t? s?μf?? a

6. ?a?a??????s?

?p???? t?? a?e??t??t?? f??a p?? ?a pa?a??????se? t?? ??? d?ad??as?a, ?a????su?? t??
de??t?? pa?a??????s?? ?a? ap?t?μ?s? ??st???

7. ?esue?se?? t?? e?d?af e??μ??? ? μe?? ?

? ept?μe??? pe????af? t?? ?p???e?se?? ???e eμp?e??μ???? μ????, e?te se ?,t? af??? t??
d??se?? p?? p??pe? ?a e?te?est??? e?te t? ???μat??????μ??? t??? s?μμet???

?? ? ? ? ? ? ? III ? ? ? ? ? t ? ? ? at ? ? ? e ? ? s ? ? se ? ?

?? at ? ? ? e ? ? s ? ? s ? ? ? a t ? ? a ? a ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? epe ? d ? se ? ?

O? B?s? ??a t?? ap?t?μ?s? t?? p?s?? t?? ??at???? e??s??s?? p?? apa?te?ta? ??a ?a
 ???t?p?????? ?? apa?a?t?te? epe?d?se?? p?? ep?d????e? ? ??st?ate?a, ???s?μ?p??e?ta? ? s??s?
 meta?? t?? s???????? epe?d?se?? ??a a?a?e?s?μe? p???? e????e?a? p?? ???a? st?? ?? t? 1998
 ?a? t?? p??sd????μe??? ?????? ??at???? e??s??s?? ? ? s???????? epe?d?se?? ?p?????eta? ?t?
 ft????? ta 4 d?? EURO ?a? ? ??at???? e??s??s?? se e????? ?a? ?????t??? p????μmata
 ?p?????eta? se 1,5 d?? EURO. ?αμβ????ta? ?p??? ?t? t? ???μe?? a?t? pe???αμβ???e? e??s??se??
 ??a t?? ?e??a ?a? a??pt??, μp??e? ?a s?μpe????e? ?a?e?? ?t? s?μe?a pa???eta? st?? s??????
 ???d? t?? a?a?e?s?μ?? p???? e????e?a? μ?a μ?s? ??at???? e??s??s?? pe??p?? 30%. ?ed?μ???? ?t?
 ? ??st?ate?a ?????s?? af??? μ??? ???μe? te????????e?, ?p?? μp??e? ?a a?αμ??eta? s?μα?t???
 pt?s? t?? ??st??? ??? a???μ???? d?e?sd?s?? st?? a????, ??a ?????μ?e? ???μα?a?, μ?a μ?s?
 ??at??? e??s??s?? ????? 20-25% p??pe? ?a ?e??e?ta? epa???? ??a t??? Bas????? t?μe?? t??
 ??st?ate?a? ?????s??.

?p?p????, t? e???? t?? e??s??se?? ??a ???e ??a? ap? t??? Bas????? t?μe?? ?e? ?d? ap?t?μ??e?.
 G?a t?? s??p? a?t?? ???s?μ?p?????a? ?? B?s? ?? t????se? st????t???? p?a?t???? t?? ??at??
 μe??? ?a? ? d?af??? meta?? t?? s?μe????? ??st??? e?e??e?a??? μ???da? ??a ???e e?eta??μe??
 te???????a a?a?e?s?μ?? e????e?a? ?a? t?? μ?s?? ??st??? μ???da? ??a t? s?μBat??? e????e?a. G?a
 t?? ?p?????μ? t?? μ?s?? ????? e??s??s?? a?? Bas??? t?μ?a p?? ?a??pteta? ap? t?? ??st?ate?a,
 e???f?? ?p??? ? ?p?d?a??es? se tμ?mata p?? p??te??eta? st? pa???t?μa ?

? ?p??????μe?? e?de??t??? ??at??? e??s??s?? ??a t?? ??st?ate?a ?????s?? pa???s???eta? st??
 pa?a??t? p??a?a.

**??a?a? 1 – ?p??????μe?? e?de??t??? ??at??? e??s??s?? ??a t?? ??st?ate?a
 ?????s?? st?? ?? (1999-2003)**

? as ? ? ? ? t ? μ e ? ? ??st?ate?a?	?p??????μe?? s?????? epe?d?t??? ??st?? d?? EURO	??s?st? e??s??s?? %	? ?s? p?s?st? e??s??s?? %	?p??????μe?? s?????? ?at??? ???mat?d?t?s? d?? EURO (e?de??t???)
F? st?? ??	2,85	35-80	45	1,2825
F? se a?apt?ss?μe?e? ???e? ¹⁰	(2,45)	-	-	-
?? ?a??? s?????te?	4,7	0-30	15	0,705
??eμ??e????t??e?	10,1	10-40	20	2,02
? ??μ??a CHP	5,5	20-60	30	1,65
? ???a?? ???μa?s?	4,4	0-20	10	0,44
? ??a????	1,2	20-40	25	0,3
? ???a?s?μa	1,25	30-70	50	0,625

¹⁰ ???s??s? ?????? ?p? μ??f? da?e???, B?. ?ef??a?? III.3.

S?????	30,05			7
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?? s?μp??asua e??a? ?t? ?a ??e?aste? e?de??t??? ??at??? ???μat?d?t?s? ????? 7 d?? EURO ??a
t? d????e?a t?? ??st?ate?a? ??a ?a d?se? ??a?sua se s????????? ???μat?d?t?se?? ????? 30 d??
EURO ??a t?? ep?te??? t?? st???? t?? ??st?ate?a?.

Se????? ??at???? ? e??s??se??

I. ?????? e??s??s?	??at. EUR	?????se??
?a?ap?μp?: ? s?μe?a ?p??????μe?? ????? ???μat?d?t?s? a?? ?t??	1200	??t?μ?s? μe β?s? ta st??e?a p?? ?ste??a? ta ???t? μ???
?t?s?a a??s? se %	10,0	Te??e?ta? f??d?? a?? ?ea??st?? ded?μ???? t?? p??te?a??t?ta? ??a t?? a??pt?? t?? a?a?e?s?μ?? sta ??t? μ???
? ?a??s?μ? ???μat?d?t?s? 1999	1320,0	
? ?a??s?μ? ???μat?d?t?s? 2000	1452,0	
? ?a??s?μ? ???μat?d?t?s? 2001	1597,2	
? ?a??s?μ? ???μat?d?t?s? 2002	1756,9	
? ?a??s?μ? ???μat?d?t?s? 2003	1932,6	
?? ??? e????? d?a??s?μ? ???μat?d?t?s? 1999 – 2003	8058,7	
? e??d?? d?a??s?μ? ??a t?? ??st?ate?a ?????s?? %	(75)	?a d?a??s?μa ???d??a de? ?a dapa????? ??a ??a t?? ??st?ate?a af?? μe????? te??????e? p?? de? ?a??pt??ta? st?? ??st?ate?a ?a s??e??s?? ?a ?aμβ????? e??s??s?.
?? ??? e????? d?a??s?μ? ???μat?d?t?s? ??a t?? ??st?ate?a	6044,0	
II. ?????t?? e??s??s?:		
1. ??a????t?? ?aμe?a		
S?????? p?s? d?a??s?μ? ?? ???μat?d?t?? p??pt???	130000	???μat?d?t?? p??pt?? p?? ?a??pte? t?? pe??d? 2000- 2003
? e??d?? e????e?a? se %	(2,5)	1,5% (1994-99) a?aμ??eta? ?a a????e? st? 2,5% ?? ap?t??esμa t?? p??t???? ?a β?s?μ? ??s?μp??s? e????e?a?
S?????? ???μat?d?t?s? d?a??s?μ? ??a e????e?a	3250	
? e??d?? a?a?e?s?μ? p???? e????e?a? %	(15)	St? ?e?? ?β?? ?a t?? a?a?e?s?μe? p???? e????e?a? ??e? te?e? ?? st???? μe??d?? t????st?? 12%, sta e??e??e?a?? p????μμata p?? ?p?st????ta? ap? t? ?e??fe?e?a?? ?aμe??
S?????? ???μat?d?t?s? d?a??s?μ? ??a t?? ??st?ate?a ????s??	487,5	
2. ???		
????p????sμ?? 1999	99	
???β?? '99 - 03	500	Te??e?ta? ?ea??st?? st???? ?a t?? p??p????sμ? t?? 1999 ?a? p??te?a??t?ta ?a a?a?e?s?μe? p???? e????e?a? d?deta? st? e?d?? p????aμa «????e?a, pe??β???? ?a? β?s?μ? a??pt??»
S????? ?????t?ta?	987,5	
S ? ? ? ? ?	7031,5	

????????? IV S??e??as?a t? ?t? ? ? ? ? ? ?

????s??s? a?a?e?s?μ?? p???? e????e?a? sta p?a?s?a t?? s??e??as?a? t??t?? ?????

?p?????eta? ?t? ta ???t? μ??? af????sa? 1000 e?at?μμ????a EURO t? ????? ?a ep??????se??
?a? d??e?a meta?? 1992 ?a? 1996 ?a ?a ?p?st?????? p??t?B????e? s?et???? μe e?e??e?a?? ?μata
st?? a?apt?ss?μe?? ?sμ?¹¹. ?? ?μe?? a??t? pe??aμβ??e? te???? ?a? ?????μ?? B????e?a. ?a
s??d?a a?a?e?s?μ?? p???? e????e?a? ?pa??a? ??? ?a? e?e??te?? ???? sta p?a?s?a t?? B????e?a?
??a t?? e????e?a, pe??aμβa??μ???? ?a? t?? e??s??s?? e??atast?se?? F?. G?a ???sμ??a ???t?
μ??? ? a??p????s? t?? a?a?e?s?μ?? p???? e????e?a? ?e? ?ataste? p??te?a??t?ta st?? p????t??
t?? ?a s??e??as?a se e?e??e?a?? ?t?μata.

Sta ?????t?? p????μμata e??te???? B????e?a? («????pa?? ?aμe?? ?pt????» ?a ?e? ???
?a? p????μμata s??e??as?a? μe t?? ?s?a ?a? t? ?at???? ?μe????), dapa????a? p?s? ?????
230 e?at. EURO meta?? 1995 ?a? 1997 se s??d?a s?et??μe?a μe t?? e????e?a. ???s????a?
??sμ??a s?μa??t?? epe?d??t?? s??d?a st?? t?μa t?? a?a?e?s?μ?? p???? e????e?a?
? e??aμβ????ta? meta?? ???? ?a pe??fe?e?a?? p????aμμa ?a??a?? e????e?a? ?a 9 ???e? t??
Sahel (s?????? p??p????sμ?? 70 e?at. EURO) μe e??atest?μ?? ?s?? 1260 kWp ?a F?, p??
pa??s?e ? ?????t?? B??μ??a??a ?a? 20 e?at. EURO ?a ?a p????aμμa CHP B??μ??a? ?a ?e?
t?? ASEAN p?? e??s????e μe 5 e?at. EURO, p??μa p?? ?fe?e st? B??μ??a??a t?? ???pa????
??s?? s?μβ??a?a ????? 16 e?at. EURO.

Se ?,t? af?? t?? ?e? ???, ? ?p?t??p? se s??e??as?a μe t?? ?e? ap?d??te? ?a? ???t? μ??
a?apt?sse? s?μe?a μ?a e?e??e?a?? st?at???? ?a t? B??s?μ? a??pt?? ????? ??, st?at????
p?? ?a ap?te??se? ?ate????t??a ?aμμ? ?a μe????t?? s??e??as?a. ? a??p????s? t??
a?a?e?s?μ?? p???? e????e?a?, pe??aμβa??μ???? ?a? t?? F?, ?a ap?te??se? ?a ap? t??
?????? ?e? t?? e? ??? st?at????.

? ???pa?? ?pe?a ?pe?d?se?? ?????se d??e?a 230 e?at. EURO pe??p?? meta?? 1993 ?a?
1997, ?a s??d?a st?? t?μa t?? a?a?e?s?μ?? p???? e????e?a?, e?t?? ??, e?t?p?sμ??a ?????
st?? ?f???? a?? ?a? ep?s?? st?? ?sta ???a, st? ?a??st??, t? ?????a??a ?a? t? ??B????a. ??
1998 ? da?e??d?t?s? s?ed?? a?a?e?s?μ?? p???? e????e?a?, e?t?? ??, a??????e s?μa??t?? ?a?
s??f??sa? pe?a??t?? d??e?a s???????? ????? 140 e?at. EURO μ???? t?? ?t?B???? 1998, ?????
st?? ?f????. Se μ?a p??sfat? d?μ?s?e?s?¹² ? ???pa?? ?pe?a ?pe?d?se?? t????e ?t? ??
s????e? e??s??s?? a?a?e?s?μ?? e?e??e?? ?ta? p?? e?????? ded?μ???? t?? Be?t?μ????
??μat????μ???? a??a????st??t?ta?, e?d??te?a se s??s? μe ?e? ap??e?t?μ??e?
efa?μ????.

St? p?a?s?? a??t? e??a? s?μa??t?? ?a s?μe????e? ?t? μe??a d??e?? ?μat?d?t?? ?d??μata, ?p?? ?
?a??sμ??a ?pe?a, ? ?aμe??a???? ?pe?a ?pt???? ?a ? ?s?at?? ?pe?a ?pt????,
???? eμp?a?e? ??? ?a? e?t??te?a st? st???? t?? a?a?e?s?μ?? e?e??e??, p??t??e?ta? de ?a
e?te???? pa?ap??a a??t? t?? p??t??t?? ?a??t??st?? pa??de??μa s?et?? e??a? t? p?a?s?? t??
p??t?B????a? ?a t?? ?a??a?? e????e?a t?? ?a??sμ??a? ?pe?a?, ?p?? pe??aμβ??eta? ?a

¹¹ ???? : Energy as a tool for Sustainable Development for ACP-countries (??e? ?a t?? ???pa??
?p?t??p? ?a? t? UNDP, te???? ???af?, ?μβ???? 1998).

¹² BEI Informations , 4 – 1998, a???. 99.

ep??e??s?a?? p????αμα ???????s?? εμρ????? ?a? ???e? εμρ????? te???????? a?a?e?s?μ??
e????e?a?, se p????μματα ???ματ?d?t?s?? t?? ?a???su?a? ???pe?a?.

?????? ? V

? ?a?e? s ?me? p???? e????e?a? sta ???t? μ??? t?? ??

1. St???? t?? pa?a??????s?? e? μ????? t?? ??at?? μe???

St?? p??t? t?? s??ed??as? (19.3.98) ? μ?da ???as?a? ??a?e?s?μ?? ??e??e??? ap?te??μe?? ap? t?? ?p?t??p? ?a? ???t? μ???, d??μ?????se t?? pa?a??????s? t?? e????? p??t???? ?a? p????aμμ?t?? ??a t?? a?a?e?s?μ? e????e?a. ? pa?a??????s? a?t? ??e? ?? st????:

- t?? aμ??Ba?a e??μ??s? ?a? a?ta??a?? eμpe????? s?et??? μe t?? p??t???? a?a?e?s?μ?? e?e??e???, t?? μe??d??? d??d?s?? t?? ap?te?esu?t?? ?a? ta μ?sa-
- ??e???? t?? d?e?sd?s?? t?? a?a?e?s?μ?? p???? e????e?a? st?? ?? se s??s? μe t??? s?μf?????te? st???? t?? ?e???? ??B??? «????e?a ??a t? μ?????: a?a?e?s?μe? p???? e????e?a?»-
- Be?t??μ??? s??t??su? t?? p??t???? t?? ??at?? μe??? ??a t?? a?a?e?s?μe? p???? e????e?a? ?a? t?? ?????t???? d??se??-
- s?μpa??stas? ?at? t?? efa?μ??? t?? s?ed??? d??s?? ?a? ?ept?μe??ste??? s?ed?asμ?? t?? «??st?ate?a? ?????s??», p?? ap?te???? ta ???a ???a?a ??a t?? ep?te??? t?? st???? t?? ? e???? ??B??? t?? ?p?t??p??.

??? ? ??? 1998, apest??? ??a e??t?uat????? se ??a ta ???t? μ??? s?? t? ???B???a (?? μ????? t?? ???). ?a s?μp??????ta e??t?uat????a e??f??sa? μeta?? ??????? 1998 ?a? ?a???a???? 1999.

2. ?????t?a t?? p????t???? ??a t?? a?a?e? s ?me? p???? e????e?a?

????? st???? μ?a? e?e??e?a??? p??t???? p?? p????e? t?? a?a?e?s?μe? e????e?e? e??a? ? ep?te??? B??s?μ??, pe??Ba????t??? s?st?? e?e??e?a??? ef?d?asμ?? St? p?a?s?? a?t?, ? ?p?st???? t?? a?a?e?s?μ?? p???? e????e?a? ?e??e?ta? ?? s?μa?t???? pa????ta? ??a t?? ep?te??? t?? e????? st???? μe??s?? t?? CO₂. ??t? a?af?????e s?ed?? ap? ??e? t?? ??Be???se?? t?? ??at?? μe???

?e?te?? s?μa?t???? ??t?μa ?ta? ?t? ?? a?a?e?s?μe? p???? e????e?a? ?e????ta? ?? «?t?p?e?» e?e??e?a??? p???? ?a? ?ts? p??sf???? μe?a??te?? asf??e?a e?e??e?a??? ef?d?asμ?? ? st???? ??a μe?a??te?? d?af???p????s? t?? e????? e?e??e?a??? p???? s??d?eta? μe t? ep?te???μa a?t?.

? e???? te??????e? a?a?e?s?μ?? p???? e????e?a? ?e????ta? a??μ? ?t? ??e????ta? pa?ap??a Be?t??se?? ?a? te????? a??pt?? ?a? a??μ? μe?a??te?? μe??s? t?? ??st??? t???. ??t? ap?te?e? ?a? t? Bas??? ep?d???? t?? d?af???? p????aμμ?t?? ?&? ??a t?? te??????e? a?a?e?s?μ?? p???? e????e?a?.

? e ???su??e? p???p???se?? ?? te??????e? a?a?e?s?μ?? p???? e????e?a? ?e????ta? ?d? B??s?μe? ap? ?????μ??? ?p??? ? p??? ???t? st? s?μe?? a?t?. ?ts?, ???su??e? ??Be???se?? a?af???? t? «Be?t??s? t?? ?????μ???? st??e?? t?? e?e??e?a??? ef?d?asμ??» ?? ??a? ap? t?? st???? t?? p??t???? t?? ?a t?? a?a?e?s?μe? p???? e????e?a?.

??af????a? ep?s?? ?a? ?? ep?pt?se?? t?? a?a?e?s?μ?? p???? e????e?a?, ?? Bas???? ap??e?t??μ???? s?st?μ?t?? e?e??e?a??? ef?d?asμ??, se ?,t? af??? t? d?μ??????a ??se?? apas????s??, ?a??? ?a? t? ?e???? ?t? ? e?μet???e?s? t?? p???? a?t?? Bas??eta? se e??te?? ????????? s??a??es? t?? p????su??.

3. ?????p?ste? st?at????? a?a?e?s?μ?? p???? e????e?a?

? B??µ??a??a t?te µ??? ?a epe?d?se? se te???????e? a?a?e?s?µ?? e?e??e??? a? ?p???e? eup?st?s??? ?t? p??sf????ta? ??a??p????t????, µa??p????esua e??????? p??p???se?? . G?a t?? ??Be???se??, a?t? s??ep??eta? t?? ?a????su? st???? ?a? t?? ??s? µ? te????? eup?d???

? p?e????f?a t?? ??Be???se?? ??e? ?????? pe??se? ap? t?uea?? ? ?????e? e?e??e?a?? p????µµata se a??p?ste? st?at????? p????s?? t?? a?a?e?s?µ?? p???? e????e?a?, ?? a?ap?spast?? µ????? t?? e????? e?e??e?a??? p????t????, ?ata?e??µµ???? se ?t????µ??ta. Se ???su??e? ???e? ? e?p????s? t?t???? st?at????? pe?at????e p??sfata ? B??s?eta? st?? te???? t?? f?s? (?????-?a????a, ???a?d?a, ?ta??a, ???eµß????, ???µ?? ?as??e??) .

? ? e??? ??B??? t?? ?p?t??p?? ??e? p??fa??? d?se? ???t?a st?? ??Be???se?? t?? ??at?? µe??? ?a e?p????s??? a?t?st????e? ???s??e? (??a?d?a) ? ?e???? (?spa??a, ?ta??a) ? ??B????.

? ??f??e? ???e? (?st??a, F??a?d?a, S??d?a) p??sf????? pa?ad?s?a?? ????? µe??d?? ??a t?? a?a?e?s?µe? p???? e????e?a? st? e?e??e?a?? t?? ?s?????, Bas??µe?e? ????? se µe????? ?d????e?t????? sta?µ?? ?a? sta?µ?? B??µ??a?. ?? ?a? t? µe??d?? t?? a?a?e?s?µ?? p???? e????e?a? st?? ???e? a?t?? e??a? s?µa?t??? ?????te?? t?? 12% p?? ?esp?st??e ap? t?? ?? ?? st???? µ???? t? 2010, ? e????? t?? p????t?? ap?B??pe? st?? pa?ap??a a??s? t?? s?µß???? t?? a?a?e?s?µ?? p????.

? ?a??a, ? ?????da, ? ??a?d?a ?a? ? ?spa??a ap?te???? pa?ade??µata ????? ta ?p??a ?e????? ap? µ???? µe??d?? a?a?e?s?µ?? p???? e????e?a? st? de?aet?a t?? 70, ?at?p?? ?????et?? mes?p??esµ??? ?a? µa??p??esµ??? st???? ?a? s??d?a d??s?? µe pe??Ba????t???? st???? (pe????su?? ae???? ?e?µ??p??). ?a e????? t?? p????µµata de????? ?t? t?t???? st????, Bas?µ???? se e????te?? p????t?? s??a?es? ?a? Ba?µ? ap?d????, ep?f????? Ba?µ?a?a e????? ap?te??suata. O? pa??de??µa a?af??eta? ? ?spa??a t?? ?p??a? ?? st???? ??a t? ?t?? 2000 ?d? ?epe??st??a? ?at? 200% pe??p?? (?aµß????ta? ?p?? ?a? t?? ?p? ?atas?e?? e??atast?se??) st? t???? t?? ?t?? 1997.

? ??st? ?a de? ??e? ??se? e????? st??, a?? µ????? pe??f e?e?a???? st????? . ? ?a pe????? (? ?? ?st??a) ??e? a??µ? ap?te?? st?? t?? 100% e?e??e?a?? ef?d?asµ? ap? a?a?e?s?µe? p???? e????e?a? ??a ta e??µe?a ?????a.

? eta?? t?? ????? p?? de? ????? e??????? st???? (t????st?? µ???? s?µe?a) e??a? ? Ge?µa??a ?a? ? Ga??a, ?? ???e? µe t? µe?a??te?? e?e??e?a?? ?ata????s? st?? ??.

4. ? ??a?a ef a?µ???? t?? p????t???? ??a t?? a?a?e? s ?µe? p???? e????e?a?

?p????e? e?? f?sua te????????? a?a?e?s?µ?? e?e??e??? : µe????? pa????? ?e?t??su?, ???e? ?e?µ?t?ta- ???su??e? ?e?t?????? se µ???? ?a? ap??e?t??µ?? ??µa?a, ???e? se µe???? ?µa?a p???? MW. ???su??e? e??a? a?ta????st???? ap? ?????µ?? ?p?? e?? ???e? – e?t?? t?? a????? f??e?? – ?e????ta? p??s?et? ?p?st????? . ? e????? e??a? ??ass???? t?p??, e?? ???e? B??s????ta? se pe??aµat?? st?d?? . ? p????µ?? ?a a?t? s??ep??eta? e????ta ep? t??t?? µ?sa p????s??, e?? ? pa?a????s? t?? de??e? saf?? ?t? ta ???t? µ?? ?e???? p??t?µ?? pa??ta µ?t??.

? ? a?a?e?s?µe? e????e?e? ap?te???? ?ass??? ped?? t?? ?e??a? ?a? t?? te??????a?. ????? ap? t?? ep??e??se?? a?af????ta? ?t? sta e????? p????µµata ?&?, ta ?p??a µp??e? ?a pe????????ta? se ?esµ?? ?p?st???? e?e??t???? ????/pa?ep?st?µ??, ? ?a pe??aµß???? p????µµata e??s??s?? µeµ??µ???? s?ed??.

??t? ???e? ep?s?? a?af????? p????µµata ?p?st????? s?ed?? ep?de???? ??a te??????e? a?a?e?s?µ?? e????e?a?, µe t?? ?p??e? ep?d??eta? ? ?ef??s? t?? ??suat?? µeta?? d??se?? e??ast??a?? ?µa?a? ? p????t???? e??atast?se?? (? ap?t??esua t?? s?ed?? ?&?) ?a? d??se?? d??d?s?? te??????a? se e??e?a ?µa?a.

??e? ?? e????? ep??e???se?? a?af ????? ?t? e??a? d??at? ? a?e???t?t? pa?a???? ??e?t??su??, ?ts? ?ste ? ??e?t??su?? ap? a?a?e?s?µe? p???? ?a µp??e? ?a d???ete?te? st? d??t???. ??e? a?t?? ?? ???e? a?af????? ?t? ??sp?sa? e?d???, e????? t?µ?????a ??a ??e?t??su? p?? pa???eta? ap? a?a?e?s?µe? p????. ? ? µ???d?? ?st?s? d?af????? p??? µeta?? t???. ?a t?µ?????a µp??e? ?a ?p??e??ta? se a?ta????su?, µp??e? ?a e??a? desue?t?? ?a ep??e???se?? ?????? ?f e?e?a? se ep?peda p?? ?a????????ta? ap? t?? ??B????s? ? µp??e? ?a ap?te???? a?t??e?µe?? ep????? t?? ?ata?a??t???. ?? t?µ?? µp????? ep?s?? ?a d?af ????? a?????a µe t?? e?e??e?a?? p??? p?? ???s?µ?p??e?ta? (????te?e? t?µ?? ??a F?, ?aµ????te?e? ??a a????? e????e?a, B??µ??a ?a? µ???? ?d????e?t????).

????? ??Be???se?? e?t?µ??? ?t? ?? t?µ?? pa????? ??e?t??su?? de? e??a? t?t??e? ?ste ?a p???a??s??? e??e?a d??d?s? t?? a?a?e?s?µ?? p???? e????e?a?. ?ts? p??sf????? p??s?et? B???e?a ?p? µ??f? ep???????se??, da?e?? ?aµ???? ep?t????? ? f????????? ?????t???. ??t??e? e??s??se?? µp????? ?a d????? ??a t?? pa?a????? ?e?µ?t?ta? ap? a?a?e?s?µe? p???? e????e?a? (??a??? s????te?, ?a?s????a, B????a?s?µa), a??? ?a? ap? p???? ? ?p??e? de? ?e????ta? a??µa a?ta????st???? ap? ?????µ??? ?p??? ? ??a ?a a?t?sta?µ?st???? ? ????te?? e?????? t?p???? s????e? (p.?. ? ??eu?? st?? pe????? a????t?? ?a??ss??).

?a µ?t?a st????? t?? te??????a? ?a? t?? epe?d?se?? s???? s???de??ta? ap? µ?t?a ??µ??et???? ?a? t?p?p???t???? f?se??, ap? e??µ???s? ?a? s?µB????? st??? ?p???f???? ?ata?a??t??, ?a??? ep?s?? ?a? ap? d??se?? epa??e?µat???? ep?µ??f?s??.

5. ?t?s?e? dap??e? ??a t? st????? t? ? a?a?e? s ?µ? ? p??? ? e????e?a?

?t???? ta ?????µ??? st???e?a p?? pa?ed???sa? ?ta? se ?e????? ??aµµ?? ate?? ?a p??B??µata p?? s??a?t????a? ?at? t?? ap?t?µ?s? t?? et?s??? p???p?????su?? ??a t?? e??s??s? t?? p????aµµ?t?? ?fe????ta? ?????? sta e???:

- ta ???t? µ??? de? ?ta? se ??s? ?a a?af????? t?? d?µ?s????µ???? ep?pt?se?? t?? e??s??se?? ??a f????????? ?????t?a, t?? f????apa??a??? ?a? t?? µe??se?? f????, ? ?a ?p????s??? t?? p?a?µat?µe?e? ?d??t???? epe?d?se?? ? ?a? a?t? ta µ?sa st????? ap?te???? s?µa?t??? e??a?e?? ??a t?? p????s? t?? a?a?e?s?µ??, t? ?p??? ?a? efa?µ??eta? e????e?a, ?st?s? de? µp????? ??a ta ??f???? ?p??? ??a t?? ap?t?µ?s? t?? ????? t?? ???µat?d?t???? e??s??s?? sta p?a?s?a t?? ?e??a? a?t??.
- fa??eta? ?t? e??a? d?s???? ?a d????? st???e?a ??a t?? et?s?? p???p?????su? t?? p???et?? p????aµµ?t??.
- µe???? p????µµata e??s??s?? ?a??pt??? ep?s?? p???? a?a?e?s?µ?? e????e?a? ??t? ap? t?? t?? t?? ?????????? ??s?? e????e?a? ? e??s??s?? t?? pe??Ba????t?? f????? te????????, ?ts? ?ste st?? pe??pt?s? a?t? t? µe??d?? t?? a?a?e?s?µ?? p???? e????e?a? ?a e??a? d?s???? ?a ?p????ste?.
- ?? ??Be???se?? e??a? s???? ?a?? e??µe??µ??e? se ?,t? af??? ta e????? p????µµata, a??? s????? de? ????????? p???? ?a ta pe??fe?e?a?? ?a? t?p??? p????µµata.
- ?p????? ??a st???e?a d?a?s?µa ??a t?? ?d??t???? epe?d?se?? p?? e??s????ta? µe ??at?? µ?t?a.
- p????µµata ??e??a? ?a? a??pt???? ?e???? d?a??t?? ?a s?µa?t??? st???e?? ep?de????, s??de?µe?? µe t?? epe?d?se?? ? ? ??Be???se?? se ?e????? ??aµµ?? de? ?ta? se ??s? ?a a?af????? t? «p?s?st? ep?de????» t?t???? p????aµµ?t?? ?p?µ????, µ?sa st?? pa????sa ???es?, ta p????µµata ?&? (?a? ?) ?p????st??a? ep?s?? ?? «e??s??s?».

?a et?s?a p?s? p?? dapa?????a? ??a t? st????? t?? a?a?e?s?µ?? p???? e????e?a? st?? ?? e??a?, s?µf??a µe t?? ???es?, 1,2 d?? EURO pe??p?? ? 53% t?? p?s?? a?t?? (615 e?at. EURO) dapa??ta? ??a «µesa» µ?t?a st?????, ?p?? ep???????se?? ?a? ep?d?t?se??, ?p?? t? 47% (538 d?? EURO) e??a? «µesa µ?t?a st?????» st????? ??e?t??su?? a?a?e?s?µ?? p???? e????e?a? p?? pe??? st? d??t??, ?aµ?????a d??e?a, ?.p.). ?a p?s? p?? a?af????ta? ?? et?s?a ?a?

a?st???? se ?d?t??? epe?d?se?? ft???? ta 1.399 d?? EURO. ? ? s??????? dap??e? ??a
a?a?e?s?me? p???? e????e?a? (e?s?s? s?? s??afe?? ?d?t???? epe?d?se??) ft???? ep?μ???? sta
2,6 d?? EURO t? ?????. ?? p?s? a?t? a?st???e? se p?s?st? e?s?s?s?? ????? 45%. ?e?ss?te?a
ap? ta a?afe??me?a p????μata e?s?s?s?? ?μβ???? ?st?s? a?et? μ????te?a p?s?st?
e?s?s?s?. ?p?μ???? ta p?s? p?? a?st????? se ?d?t???? epe?d?se?? p??pe? ?a e?a? μ?????
?p?t?μ?μ??a.

?? me??d?? «e?s?s?s?» p?? pe??μβ??eta? st?? t?μ?? t?? ?e?t??sμ?? ap? a?a?e?s?me? p????
e????e?a? ?a? d??ete?eta? st? d??t?? s?μβ??e? st? 40% pe??p?? t?? s??????? dapa?? st?????

t?? a?a?e?s?µ?? p???? e????e?a? st?? ???e? ?p?? ????? ? µe??t?, ??e? de ?ataste? t? s?µa?t????te?? e??a?e?? ?p?st???????. ?? et?s?? p?s? a????eta? sta 470 e?at. EURO.

? Ge?µa??a, t? ???µ??? ?as??e??, ? ?a??a ?a? ? ???a?d?a e??a? ???e? µe t?? ?????te?e? dap??e? st????? t?? a?a?e?s?µ?? p???? e????e?a? se ap????t?? a????µ???. ? ?a??a ?a? ? ??st??a β??s??ta? ep??efa?? se ?,t? af??? ta dapa????ta ???d??a a?? ?efa?? p????su?? . ?aµβ????ta? ?p??? t?? s??????? dap??e? ??a a?a?e?s?µe? p???? e????e?a? (e??s??se?? s?? a?tst??e? ?d??t?? epe?d?se?) a?? ?efa?? p????su??, ?? e??pa???? ???e? p?? β??s??ta? st?? ?????f? e??a? ? ?a??a, ? ??st??a, ? ???a?d?a ?a? ? ???a?d?a.

? ? te??????e? a?a?e?s?µ?? e?e??e?? ????? eufa??se? e?t?p?s?a???? ???µ??? a??pt???? sta p??sfata ?????a. ? e?p??s? ?a? ??sp?s? ??? ? e??s??µ???? e????? st?at????? ?a d?se? p??s?et? ???s? st?? a??pt?? t?? a?????. ? eta?? t?? ??? p????µµt??, ta ?p??a de? e??f??sa? ?p??? ? «dap??e?», ?p?? ?a a??s?? ?a ?ata????ta? ap? t?? a???? t?? 1999, µp???? ?a a?afe???? t? «????µµa f?t?β??ta???? st???? 100.000 µ??d??» (Ge?µa??a), t? «????µµa µe??s?? t?? CO2» (???a?d?a), ta p????µµata «10.000 f?t?β??ta?? ?f??» ?a? «??a?? ????t?te?» (??a?&), ?a? t? «?a???? e??s??se?? ??a ??e? te??????e? pa?a???? ?e?t??su?» (S??d?a).

?? ??????, ? Ga??a, ? ???da, ? ???a?d?a, ? ?ta??a ?a? ? ???t??a?& a?af???? ?t? p??sfe???? sta ?????t?? ?a????t?? ?aµe?a ??a t?? d?ast????t?te? p????s?? t?? a?a?e?s?µ?? p???? e????e?a?. ???µat?, ??a t?? ???da ?a? t?? ???t??a??a, ta tµe?a a?t? ap?te??? s?µa?t?? ?µat?d?t?? e??a?e?? ??a t?? e?t??es? t?? e????? t?? p????µµt?? ??a a?a?e?s?µe? p???? e????e?a?. G?a t?? ?ta??a ta tµe?a a?t? pa???? s?µa?t?? ??? se pe??fe?e?a?? ep?ped?.

5. ??µea?? p??te?a??t?te? ??a t?? «??st?ate?a ?????s??»

St? e??t?µat????? p??te????ta? ?? ??βe??se?? ?a ?a?????? t?? p??te?a??t?? t?? ?a t?? «??st?ate?a ?????s??», ap? ??a? p??a? d??a a?a?e?s?µ?? e?e??e?? ?a? ped?a efa?µ???? a?a?e?s?µ?? e?e??e???. ? ? p??te?a??t?te? p?????? s?µa?t?? ap? t? µ?a ??a st?? ???.

? ?e????te?? ap?t?µ?s? de??e? ?t? ? β??µ??a ?e??e?ta? ?? p??t? p??te?a??t?ta (??µe?? 1 st?? ?at?ta?? p?? af??? t?? «?µese? ?a?se??», ??µe?? 4 ??a t?? «?p??at?stas? t?? ???t?? ?a?s?µ??») ?a? a?????? ? a???? ?a? ??a?? e????e?a (F?, e?e?? ?a? pa??t??) sta ?t??a. ?ts? ep?βeβa??eta? ? ep???? t?? «Bas???? t?µ??» t?? ??st?ate?a?

6. S?µpe??suata

?? ?a? ?p????? s?µa?t???? d?af???? se ?,t? af??? t?? st?at???? ?a? ta e??a?e?a ??a t?? p????s? t?? a?a?e?s?µ?? p???? e????e?a?, d?a????eta? µ?a ?e???? t?s?: e??s??s? t?? ??e??a?, t?? a??pt???? ?a? t?? ep?de??? (R, D&D), p?? s??e??e? ?a pa??e? ????? ???, p?? s?µp??????ta? µe d??se?? p????s?? ap?s??p??se? st? d?µ?????a µ?a? ???s?µ?? µ??a? ??a t? d??µ?? a??pt?? t?? a????. ? ?? p??sfata, s?st?µata p????s?? (?d? efa?µ??µe?a ? ?p? s??t?s?) d???? ?µfas? se a?ta????st?? st??e?a ?a? f?????? ????t?a.

«?µesa» ???a?a e??s??s?? e??a? p?? ?at????a ??a t?? ?????t?s? µe???? ?µa? p????µµt??, e?? ta e??a?e?a ?µes?? ?p?st???? (ep????se??, ep?d?t?se?? ...) a?af????ta? ????? se te??????e? e??s??µe?e? se st?d?a ?e??a? ?a? a??pt???? ? ?a? se st?d?? ep?de???. ? ? dap??e? ??a t?? «?µes?» ?p?st???? t?? a?a?e?s?µ?? p???? a????a? s?µa?t?? ta te?e?ta?a ?????a ?a? t? st??e?? a?t? ?p??e? ?t? ?? ??βe??se?? ?e???? t?? te??????e? a?a?e?s?µ?? ?e???? ? te???? ?µe? ?a? β??s?µe?. ?? ep??e?t?? ??a t?? a?aβ??µ?s? t?? a?a?e?s?µ?? p???? e????e?a? ??e?ta? p??fa?? ap? t?? ?p?st???? t?? ?&? & ? p?? t?? ?p?st???? s?ed?? µe???? ?µa??. ?????µe? ?µa? ?e????ta? s?µe?a ? ? ???t??a d??µ? ??a t? µe??s? t?? ??st?? ?a? t?? e?sa???? ?a??t?µ??.

* * * *

????B??a

??? ? ???B??a de? e??a? µ???? t?? ???pa???? ???s??, ?st?s? ap?te?e? e??pa??? eta?? sta p?a?s?a t?? ??? . ?a?? t? s?µe???? µe???? p?s?st? a?a?e?s?µ?? (pe??p?? 100% t?? ??e?t??su?? pa??eta? ap? 850 ?d????e?t???? sta?µ??), ? ??a p????e? e?e?? t? β??e????e?a, t?? ??a?? ?a? a????? e????e?a, ap?s??p??ta? st?? e?t??te?? d?af??p??s? t?? e????? e?e??e?a?? ?s????? t?? . ???e? e?te??µe?e? d??se?? p????s?? t?? a?a?e?s?µ?? pe??µβ???? ?p?st???? t?? ?&?, t?? ep?de???, t?? d?e?sd?s? st?? a???? ?a? f???????? ????t?a. ? et?s?? p??p????su?? (1998) ??a t??

p????s? μ? «?d????e?t???? a?a?e?s?μ?? p????» ft??e? ta 35,7 d?? EURO (???? ?a
pe???αυβ????ta? st? p?s? a?t? ?a? f????????? ?????t?a).