

AS THE RESULT OF EXPLOITATION
THE REAL SELF COSTS OF THE HEAT IN CONDENSING GAS BOILER UNITS
ABOVE 1 MW BECAME LOWER THAN IN SOLID-FUEL BOILERS



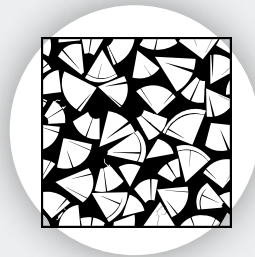
GAS or SOLID FUEL?

Gas or solid fuel? How to make the real choice?

The main mistake in calculation of usage of solid-fuel technologies above **1 MW** - the expenses which are appearing on practise during exploitation of solid-fuel boiler stations are not being count:



Expenses on logistic services



Expenses on keeping the fuel warehouses



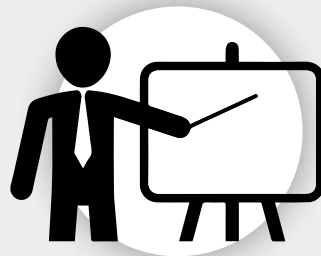
Expenses on loading-unloading works



Expenses for salary



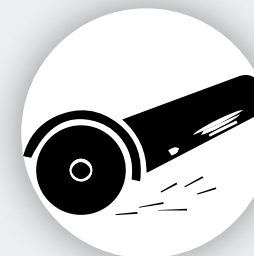
Expenses on technical service



Expenses on training of personnel



Grabbings



Expenses on often capital repair

Besides for reconstruction of existing facilities and further installation of solid-fuel boilers are needed
LARGE CAPITAL DEPOSITS AND INVESTMENTS

THE ALTERNATIVE EXISTS!

Today the company EUROTHERM offers the alternative to solid fuel —

new generation of package boilers with heat recuperation of effluent gases



- efficiency factor 97%
- bend range 30-100%
- full automation
- emission into environment 5 times lower than in traditional boilers
- compact heat-recuperation part
- simple safe construction
- Modern production technology
- small investments for repair and modernization of existing boiler stations
- minimal time of pay-off period
- costs are 3 times lower than import analogues



17 condensing boiler-stations operate in Bucha town

30 boilers with total capacity over **15 MW** were replaced. The held actions make the qualitative service possible for consumers and with taxes which correspond 100% of self costs, which gives the decrease of loading on state budget.

- **The exploitation experience confirms the efficiency of usage:**
- The increase of efficiency factor
- The decrease of fuel consumption on **25%** and electroenergy on **15%**
- The decrease of emission into environment (**Co, NOx**)
- Deep modulation (high economy of fuel during partial loadings)

WHERE DOES USAGE OF SOLID-FUEL BOILER STATIONS OVER 1 MW LEAD TO?

- 1** DEFORESTATION, DEGRADATION OF ECOLOGY
- 2** INCREASE OF NOT PLANNED EXPENSES ON CAPITAL REPAIRS
- 3** INCREASE OF HEAT ENERGY COSTS
- 4** SHUTDOWN OF STATIONS AS THE RESULT OF INCREASED EMERGENCY DANGER, OUTAGE OF EQUIPMENT
- 5** NECESSITY OF REPEATED RECONSTRUCTION OF STATION BECAUSE OF QUITE COMPLICATED TECHNOLOGY