

## Best Practice Case:

# Biomass Combustion Plant BANSKO

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# Technology

The town of Bansko is situated at the foot of the Pirin mountain range in western Bulgaria, just 100 km south of the capital Sofia. In 2005 a new boiler house was constructed and a 5 MWth biomass fueled boiler was connected to the town's heating network. The biomass is supplied by **sawmills** in the town's vicinity. The heating capacity was doubled by the addition of a second 5 MWth boiler.



# Process (I)

## BULGARIA in short

1. Land use approval (~ 6-7months)
2. Environment Impact (~1-2months)
3. EIA (3-8 months) !! or Integrated permit (6-12 months)
4. Design viza (1 months)
5. Construction permit (~ 8 - 12 months)
6. Agreement for grid connection/ licensing (~ 8 - 12 months)
7. Operational permit (~1 month)

## Process (II)

### BANSKO Project

- Initial information about the investment intention
- Prefeasibility study
- Public deliberation – **supported by the municipality**
- **Territory agreement plan**
- **Design viza**
- Preliminary contracting for heat supply
- Preliminary contract for grid connection



# Process (II)

## BANSKO Project

- Technical project development
  - Technical project approval
- **Construction permit**
- Installer tendering
- Connection to the main and branch town heat supply network pipeline
- Grit and sewage systems connection
- **Licensing – heat energy production (SEWRC), heat energy transmission (SEWRC), industrial wood “yield” (MAF)**
- **Operational permit**

# Results

High municipal interest and involvement

Promotion of environmental friendly technology in the national resort

Project running in operation for less than 2 years

No higher appeal/ legal case

## Results II

Lack of national biomass norms and standard

Lack of local authorities experience

Lack of sufficient and public available information in the municipalities – low administrative capacities

Lack of horizontal coordination between the different state bodies

Legislation contradiction – lack of harmonization

## Conclusions

Short lead times possible:

- Project activities implementation in parallel
- Public and local authority deliberation in a very earlier project phase
- Pro-active participation of authority (province)

# Thank you for your attention!

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