CAKOVEC
Marktsondierungsreise
Österreichisches AußenwirtschaftsCenter Zagreb
9.4.2014

Power from Biomass
by MAN TURBO
Steam Turbines

Katarina Krkovic
Modular Arrangement Concept

- Steam Turbine
- Generator with Gearbox
- Lubrication Oil Module
- Control Oil Module
- Supervision Cubicle
Example Extraction Turbine

- Inner casing
- Admission chest
- Outer casing of combined cast / welded design
- Forged drum
- Guide blade
- Reaction type blading
- Separately bearing housings
- Labyrinth type gland sealing
- Tilting pad type sleeve bearings

Forced-draw type rotor
Generator with Gearbox

- High efficiency
- Low noise level
- Reduced oil consumption
- Low space demand
References in the past 5 years:

Over 200 steam turbines for Biomass- Plants in Europe

Installed Power from 2.3 to 23 MWel
Characteristics of MARC Steam Turbines

- High Efficiency
- High Availability
- Proven Design
- Low Investment Cost