



Boiler Feed Water
Process Water
Dosing Units

Engineering Consulting Delivery Service

R e f e r e n c e L i s t



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Engineering Consulting Delivery Service

Reference List



- 1. Condensate Treatment Plant 70/140 m³/h**
Complete pre-assembly in our workshop
piping carbon steel with rubber lining,
on site commissioning

*Petrochemical
Complex
El Tablazo
Venezuela*



- 2. Dosing Systems Ammonia and Oxygen**
Dosage for condensate quantity: 1700 m³/h
Preparation- and dosing unit for NH₃-solution
oxygen gas dosing, each a system per block.

*Power Plant
Neurath
Germany,*



- 3. Condensate Treatment 165 m³/h**
Complete installation of the system on site,
piping carbon steel with rubber lining,
Commissioning, future expansion

*Petrochemical
Industry
Scholven
Germany*



- 4. Boiler Feed Water Treatment**
Capacity: 2 x 80/1x130 m³/h
Mixed water with condensate recirculation.
Sand filter • Cation exchanger • CO₂-degassifier
Anion exchanger • mixed bed filter
Chemical storage • Neutralization • Engineering
for 2 feed water tanks with thermal deaerator

*Thermal Power
Station
Troisdorf
Germany*



- 5. Desalination Plant**
Capacity: various sizes
Cation exchanger • Anion exchanger
Mixed bed filter • chemical storage
Water softener

*Plastic Production
Eastern Europe
Russia*



- 6. Boiler Feed Water Treatment**
Capacity: 80/160 m³/h
Sand filter • Cation exchanger • CO₂-degassifier
Anion exchanger • mixed bed filter
Chemical storage • Neutralization
Installation and commissioning on
site

*Refinery
Budapest
Hungary*

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Reference List



7. Boiler Feed Water Treatment

Capacity: 2 x 60 m³/h

Cooling water treatment

Capacity: 225 m³/h

Sand filter • Cation exchanger
Anion exchanger • mixed bed filter
Chemical storage • Neutralization.
turnkey incl. building, connected to an existing
unit • Installation and commissioning.

*Power Generation
for a Refinery
Salzbergen
Germany*



8. Boiler Feed Water Treatment

Capacity: 1,0 m³/h

SIWApure-unit • reverse osmosis with
EDI and membrane degasification
for oxygen removal

*Liquid Natural Gas
Production
Stavanger
Norway*



9. Boiler Feed Water Treatment

Capacity: 1,5 m³/h

SIWAEDI-unit • reverse osmosis with
elektrodeionisation.

*Biomass Power Plant
Delitzsch
Germany*



10. Boiler Feed Water Treatment SIWApure 8000

Capacity: 2 x 8 m³/h

Activated carbon filters • water softening,
Reverse osmosis • membrane degasification
EDI • mixed bed filter • chemical-free boiler
feed water treatment.

*Biomass Power Plant
Lockerbie
Scotland*



11. Boiler Feed Water Treatment

Capacity: 2 x 50 m³/h

Sand filter • Cation exchanger
Anion exchanger • Mixed bed filter
Chemical storage • Neutralization.

Condensate Treatment

Capacity: 2 x 180 m³/h

Cation exchanger • Anion exchanger

*Waste Incineration
Plant
Hameln
Germany*



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12. Thermal Degassing

Capacity: 2 x 175 m³/h
Delivery of 2 degasifier d=2200 mm
with feed water tank d=3200 mm
L=13000mm and a condensate tank
d=3200 mm L=11400 mm

*Chemical Industry
BASF-Tarragona
Spain*



13. Thermal Degassing

Capacity: different capacities
Thermal deaerator with feed water tank
complete with steel construction,
Boiler feed water pumps and
dosing built in a container.

*Petrochemical
Industry
Finland, Iran, etc.*



14. Desalination-Plant

Capacity: 2 x 75 m³/h
Pre-assembled complete delivery within
a short time, GRP-pipes.
Delivery, erection supervision and
commissioning on site.

*Petrochemical
Complex
Ruwais
UAE*



15. Boiler Feed Water Treatment

Capacity: 3 x 425 m³/h
Mixed bed filter • Chemical storage
Regeneration station • Parallel operation
of 2 lines, thus continuous flow
850 m³/h stainless steel piping

*World biggest
sulphuric acid
plant/ fertilizer
production
Ma'aden
Saudi Arabian*



16. Boiler Feed Water Treatment

Capacity: 2 x 40 m³/h
Pre-cleaning • sand filter • Acid dosage
Mixed bed filter • Chemical storage
Regeneration station • Neutralization

*Coal fired Power
Plant
Völklingen
Germany*



17. Boiler Feed Water Treatment

Capacity: 2 x 40 m³/h
Complete disassembly and
Assembly of the plant within a short time
Piping completely in stainless steel.

*Nuclear Power Plant
Switzerland*

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18. Membrane degassing system for oxygen removal

Capacity: 86 m³/h
Complete skid mounting with vacuum generation,
Nitrogen dosing and CIP Unit
Piping completely in stainless steel.

Hydrogen production
Refinery
Finland



19. Ion exchange for sugar solution desalination

Capacity: 4 x 20 m³/h
Complete engineering and delivery
4 plants with regeneration facility
for sweet on, sweet off and cross regeneration

sugar processing
Russia



20. Boiler Feed Water Treatment SIWApure 5000

Capacity: 2 x 5 m³/h
Activated carbon filter • Softening • reverse osmosis,
Membrane degassing • EDI • Mixed bed filter.
Chemical-free boiler feed water
processing.

Power Plant
Spain



21. Desalination Plant and Condensate Treatment Plant

Capacity: 2 x 50 m³/h and 6 x 40 m³/h
Activated carbon filter • Cation exchanger
• mixed bed filter • Gravel filter • cation exchanger
• anion exchanger
Modernization and automation of the plants

Power Plant
Germany



22. Membrane degassing system for oxygen removal

Capacity: 10 m³/h
Complete container-based system with
Vacuum generation, nitrogen dosing and CIP Unit
Piping completely in stainless steel.

Chemical park
Germany



23. Thermal Degassing

Capacity: 133 m³/h
Delivery of 1 degasifier d=2000 mm
with feed water tank d=3800 mm
L=11000mm and various pressure vessels

Power Plant
Sweden



24. Thermal Degassing

Capacity: 232 m³/h + 86 m³/h
Delivery of 2 degasifier d=2400/1600 mm
with feed water tank d=3800/2700 mm
L=11900/7500mm and various pressure vessels

Power Plant
Lithuania

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25. Boiler Feed Water Treatment SIWApure 15000

Capacity: 2 x 15 m³/h
reverse osmosis, permeate staged
Membrane degassing • EDI
Chemical-free boiler feed water
processing. Revamp during normal operation.

waste to energy
Power Plant
Switzerland



26. Boiler Feed Water Treatment SIWApure 23000

Capacity: 2 x 23 m³/h
reverse osmosis, permeate staged
Membrane degassing, EDI, storage tank 100 m³
Chemical-free boiler feed water
processing.

zinc production
sulphuric acid plant
Norway



27. Water Treatment SIWAionX 35000

Capacity: 35 m³/h
UV-desinfection, automatic filter,
Ion exchanger, regeneration device
Surface water cleaning

waste to energy
Power Plant
Germany



28. Boiler Feed Water Treatment SIWApure

Capacity: 2 x 2,5 + 2 x 3,0 m³/h
reverse osmosis, permeate staged
Membrane degassing oxygen removal.
Chemical-free boiler feed water
processing.

district heating
Power Plant
Germany



29. Water Treatment

Capacity: 90 + 75 m³/h
Unit 1: Softening / Membrane degassing
3 x 90 m³/h
Unit 2: Condensate cleaning
75 m³/h

carbon capture
Iceland



30. Boiler Feed Water / Condensate Treatment

Capacity: 45 + 50 m³/h
Ultrafiltration / permeate staged RO
Condensate cleaning
Chemical storage
Pump House
Plant control PCS7 Multiproject

Power Plant
Germany

The reference list shows only a small excerpt of equipment supplied by us.