

Fjernvarme Fyn

ODENSE, DENMARK – REPLACEMENT OF ECONOMIZERS 1, 2, 3 AND 4

PROJECT CASE HISTORY



Project description

In December 2018 Babcock & Wilcox Renewable Service won an order for the replacement of 4 economizers on a waste-to-energy line (Line 13) at Fjernvarme Fyn.

Scope of delivery included project management, design, engineering, procurement, manufacturing, delivery, dismantling of the existing economizers, installation, testing, commissioning and documentation.

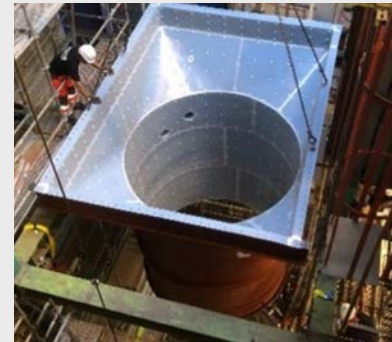
A different material was selected for economizer 1 due to corrosion problems, but apart from that, the economizers were replaced one-to-one with same geometry and heating surfaces. A new feedwater shunt pump was included to provide a higher inlet temperature by mixing of cold and hot feedwater.

Tube Material for Economizer 1:

Ø33.7 x 3.6 mm, ASTM213/TP347HFG

Tube Material for Economizers 2, 3, and 4:

Ø38.0 x 4.0 mm, St. 35.8 /15 Mo3 – III DIN 17175



Client: Fjernvarme Fyn Affaldsenergi A/S
Year: 2019

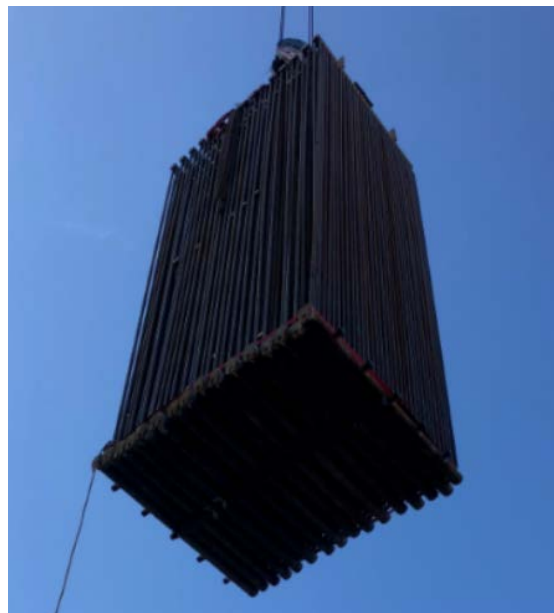
Milestones

Contract: 17-12-2018
Production start: 07-01-2019
Start on site: 01-07-2019
Hand over: 26-09-2019

Data

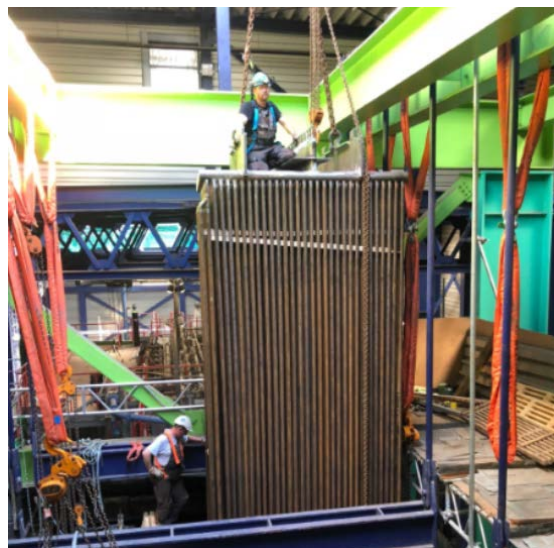
Fuel: Waste
Steam temp.: 380 °C
Steam pressure: 78 bar(g)
Steam production: 30 kg/s

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Scope of supply

- New economizers 1, 2, 3 and 4
- Shunt pump system, including valves and instrumentation
- Thermal insulation and cladding
- Necessary scaffolding and crane assistance
- Opening and closing of the boiler roof
- Delivery of basic spare parts
- Cleaning and blasting of components
- NDT
- 3rd party approvals
- Documentation



Babcock & Wilcox

Energivej 16
6670 Holsted
Denmark
Phone: +45 72 40 74 65

www.babcock.com/renewable    

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