

SteamGen™ 6



*No internal insulation, water cooled combustion chamber
Purification of steam to highest standards*



Aalborg Engineering
understanding energy

“The best available technology on the market”

A Lifetime Investment

Aalborg Engineering specializes in the design and supply of steam boiler systems. Our objective is to become the preferred partner for customized boiler plants.

We will lead the way in ensuring the success and profitability of our customers projects, by providing highly efficient, reliable and competitive energy solutions within the agreed time of delivery. Proximity to customers and markets, optimization of know-how and experience, proven technology, excellent business practices, long term cooperation with pre-selected and well-known suppliers, are all important aspects of our partnership philosophy.

Our products are directed towards customers who require a high degree of adjustment in order to fulfill the technical, operational, and/or other requirements that are

crucial to the success of their projects. We always offer an optimized solution that includes numerous possibilities to develop and change the system’s configuration, so that it can be adjusted to a varying demand for energy.

Our Heat Recovery Steam Generators are based on reliable solutions. Each individual boiler design is unique and offers the level of customization, know-how, flexibility, efficiency, environmental protection, installation, operation and maintenance required for your plant.

Aalborg Engineering recognizes that your investment is considered a lifetime investment.

Your Lifetime Partner

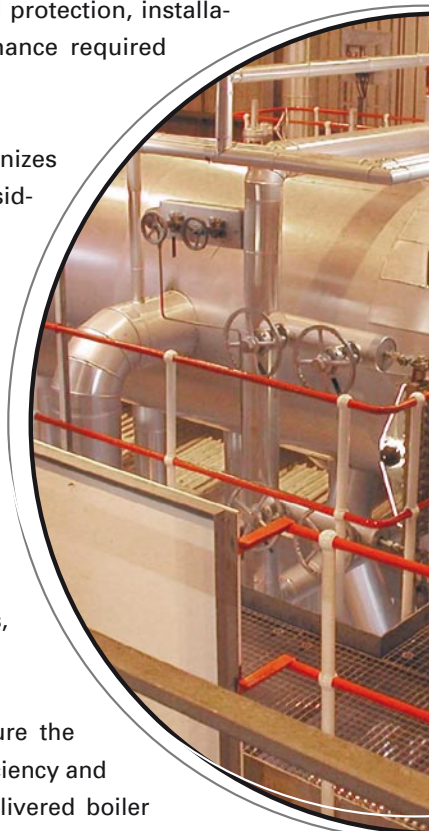
Our objective of becoming your lifetime partner for customized boiler plants, stems from our focus on proactive consultancy throughout the entire project. We ensure our customers are updated with regards to the ongoing development of the project. We consider it an added value that we offer suggestions about possible improvements or other solutions, instead of indiscriminately following the customer’s specifications.

Essentially, our partnership philosophy is all about trust. With company values such as credibility and professionalism, we endeavor to secure reliable consultancy for the customer. Combined with our company’s commitment to excellent business practices and conduct, this will enable us to continue expanding our principles of partnership in the future.

Our brand is closely linked to our technology, which is known for being unique, safe, robust and effective. We frequently offer solutions, which no one else can offer.

Furthermore, we also measure the boilers’ performance and efficiency and complete tests on all our delivered boiler systems. Our specially-developed software is continuously upgraded based on the latest knowledge from existing boiler solutions.

As a result, we are able to deliver solutions with the utmost performance and efficiency, at any given time.





SteamGen™ 6

SteamGen™ 6 is a HRSG variation of our SteamGen™ 4, which takes the best design a step further. In general the basic design offers the same unique benefits as our SteamGen™ 4, but the possibility of having a combined HRSG and auxiliary boiler is also a very important feature of the SteamGen™ 6.

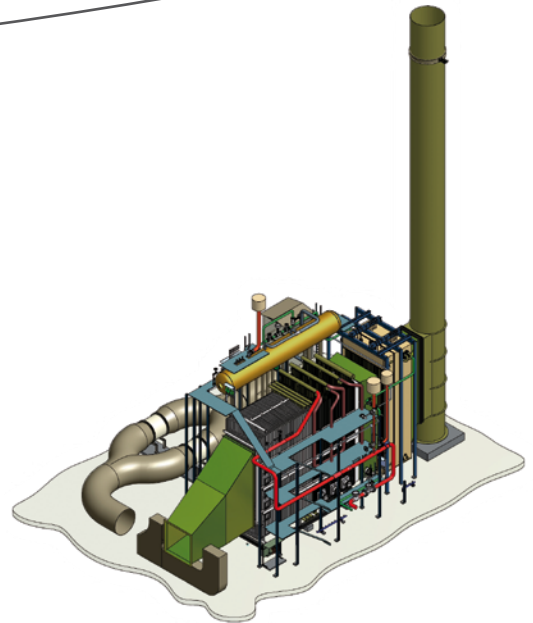
Many industrial companies world-wide would benefit from this type of solution. For applications where there is a need for a limited power production, but with a large demand for steam, the SteamGen™ 6 is the optimal solution. With an ability to increase the steam production more than five times compared to an unfired HRSG, this design offers a performance, which is impossible for other types of HRSGs.

We are proud to say that the SteamGen™ 6 has already saved our customers millions of Euros due to the unique features of this HRSG.

In the gas turbine size range 5 - 50 MWe, the SteamGen™ 6 has the ability for connecting an engine or gas turbine, thereby allowing it to have power producing capability.

If steam is a lifeline on your plant the SteamGen™ 6 is prepared for "flying change over". If required the HRSG can be designed to automatically switch from GT to fresh air operation. This situation will in case of a GT trip secure your process plant steam and continued operation.

The SteamGen™ 6 boiler is designed according to internationally recognized boiler codes such as PED/EN.



3D rendering of SteamGen™ 6, ORL Haifa, Israel



SteamGen™ 6 at Nykce Power plant, Hungary



SteamGen™ 6 at Statoil Kårstø Gassprosesseringsanlegg (Pic. Statoil.)

SteamGen™ 6

– Product Overview

Design Data

Gas Turbine Size	4 - 60 MWe (typical range)
Steam capacity	< 250 t/h (typical range)
Operating pressure	20 - 140 bara (typical range)
Steam temperature	Saturated - 540 °C (typical range)

Product Features

Fast start up and response time
Fully welded
The design is modular built
Water cooled membrane walls
Low furnace load
Low emissions
High efficiency
Low water content
A well defined circulation system
No radiant superheater
Fully drainable
Easy cleaning of heating surfaces
Stand-by heating

Customer Benefit

▶ Large turn down ratio
▶ Less maintenance
▶ Secure transport, safe and fast erection
▶ High combustion temperature
▶ Low emissions, stable circulation ratio
▶ Environmental friendly energy source
▶ Less fuel costs
▶ Fast start-up and load change rates
▶ Accurate performance
▶ Long lifetime and improved temp. control
▶ Limited risk of frost damage
▶ Limited down time for manual cleaning
▶ Operational boiler at all times

Product Range

With the SteamGen™ product range, Aalborg Engineering can customize any complete boiler or heat recovery plant with all relevant types of equipment:

- **SteamGen™ 4** – Industrial package boiler
- **SteamGen™ 6** – High fired HRSG
- **SteamGen™ 8** – HRSG for combined-cycle power plant
- **SteamGen™ 10** – HRSG for industrial process gas
- **Auxiliary systems**



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