



Heat Recovery

NEM Energy B.V.



Solutions in Heat Transfer Technology

NEM Energy B.V. (hereafter NEM) is a world-leading and original equipment manufacturer (OEM) of Heat Recovery Steam Generators (HRSGs) and Waste Heat Recovery Units (WHRUs).

NEM has supplied close to 1,000 steam generators, HRSGs as well as other boilers, on six continents, with a total capacity that could power 200 million households. With close to a century of history, NEM is a renowned brand in field of energy, globally. NEM's headquarters are located in Zoeterwoude, the Netherlands.

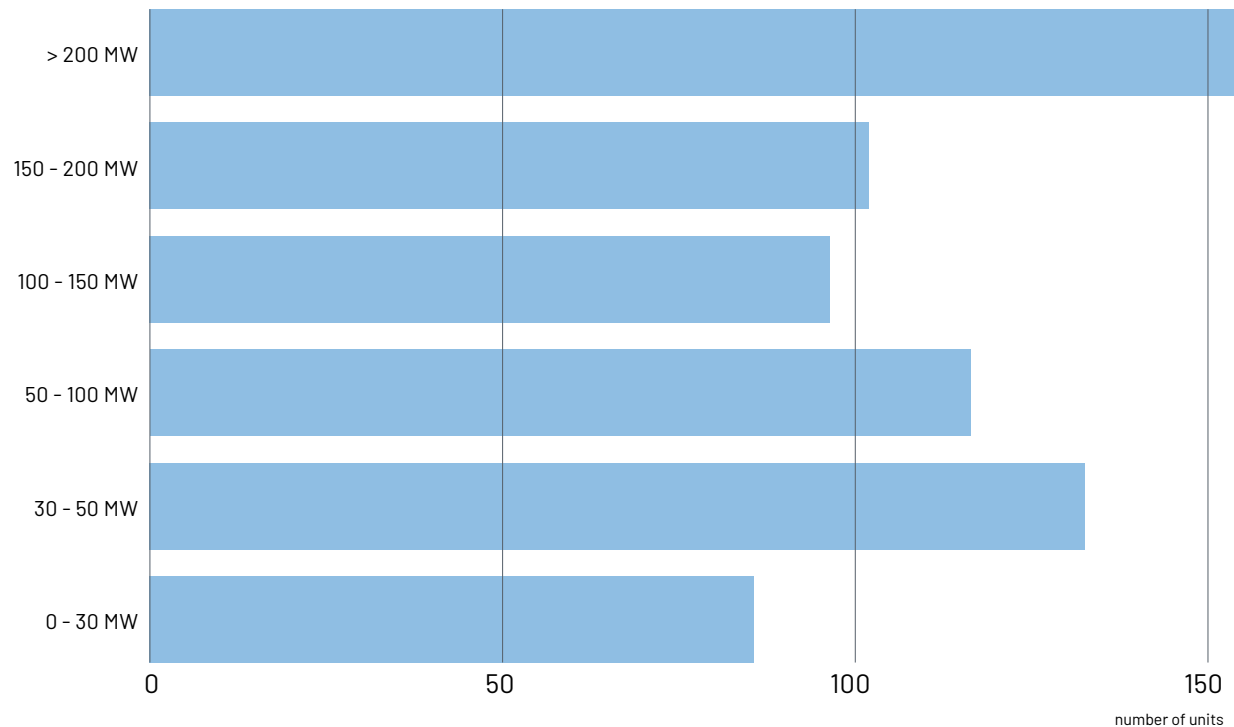
NEM heat recovery products can be found in a variety of different applications for different industries.

For instance, we are active in the power generation market as well as in the market for energy storage.

Our core competence is the heat transfer related to waste heat, whether that waste heat comes from a gas turbine or another source is thereby secondary.

Notwithstanding, gas turbine exhaust waste heat is one of the major sources of waste heat globally and a key focus market of NEM. We provide HRSGs for steam and WHRUs for non-steam applications behind gas turbines in all markets.

HRSG installed base, by GT size



Various designs to fit your purpose



Type
Gas flow

Utilization
/ benefits

Power

District and process
heat, advanced
cycles (ORC)

Fast Start & Cycling

Base load
and cogen

Suitable for
customization

Fast Start & Cycling

Fast Start & Cycling

Oil firing,
optimized plot
space

Fast Start &
Cycling, optimized
plot space

10 - 75 MW gas turbine output

>70 MW gas turbine output

Fast Start & Cycling Operations

NEM is a worldwide provider of two types of Fast Start HRSG technologies: DrumPlus™ and the Siemens Energy licensed Benson®.

NEM HRSG Fast Start solutions offer a quick response to power demand, while maintaining the lifetime of any HRSG. This ability is of special importance in so-called spot markets and locations where the daily fluctuation

in power is aggravated by power fluctuations of renewables.

NEM Fast Start solutions allow unrestricted gas turbine ramp-up which results in remarkable flexibility, reduced start-up costs, quick delivery to the grid and significantly lower CO and NO_x emissions during start-up.



DrumPlus HRSG at El Segundo Power Plant, California, USA

Delivery concepts and site construction

We can supply our HRSGs in all kinds of prefabricated concepts, which enable you to optimize the total installed costs.

They can be delivered in the form of small parts due to transport limitations, or even complete pre-erected units ('plug & play' design) in order to minimize construction site costs/risks, whether for onshore or offshore applications.

Move your mouse over one of the
reference highlights to see details, and use
the buttons below to show references for
each application.



Our full reference list is available up on request.

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The information in this document contains general descriptions and performance features and projections which may not always reflect actual features and performance, or which may undergo modification in the course of product development.

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