

Hamon Deltak



**Heat Recovery
Steam Generators
for
Power Generation**

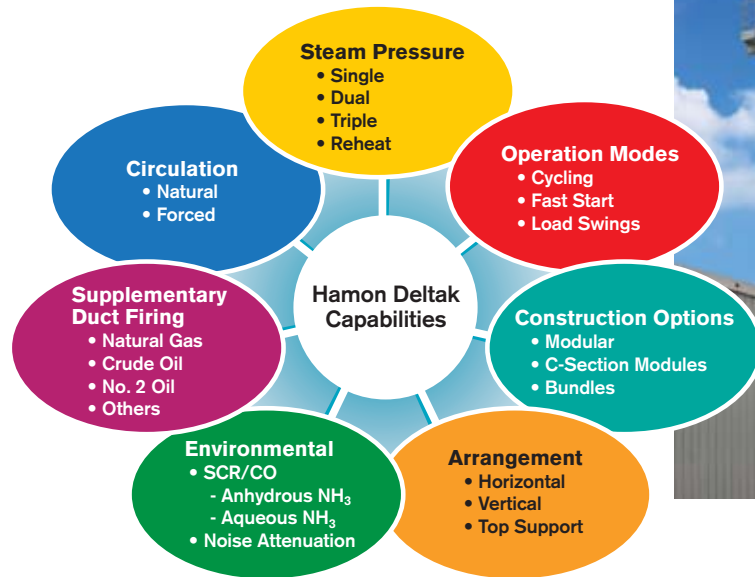


HRSGs for Any Size Gas Turbine

Hamon Deltak's Resources Provide Worldwide Presence

Hamon Deltak designs are manufactured worldwide following our stringent quality control systems.

Whether your plant will be 100% base loaded or cycled daily...whether it will be for a 40 MW turbine or a 450 MW turbine, Hamon Deltak can meet your requirements. With a combination of flexibility and experience unrivaled in the heat recovery industry, we can deliver a design to provide the lowest lifetime cost (and best value) to your project.



The Knowledge & Experience to Design and Produce Any Size HRSG

Large Gas Turbines
100-450+ MW

GE, Mitsubishi, Siemens; F, G and above class

Medium Gas Turbines
40-100 MW

GE, Siemens

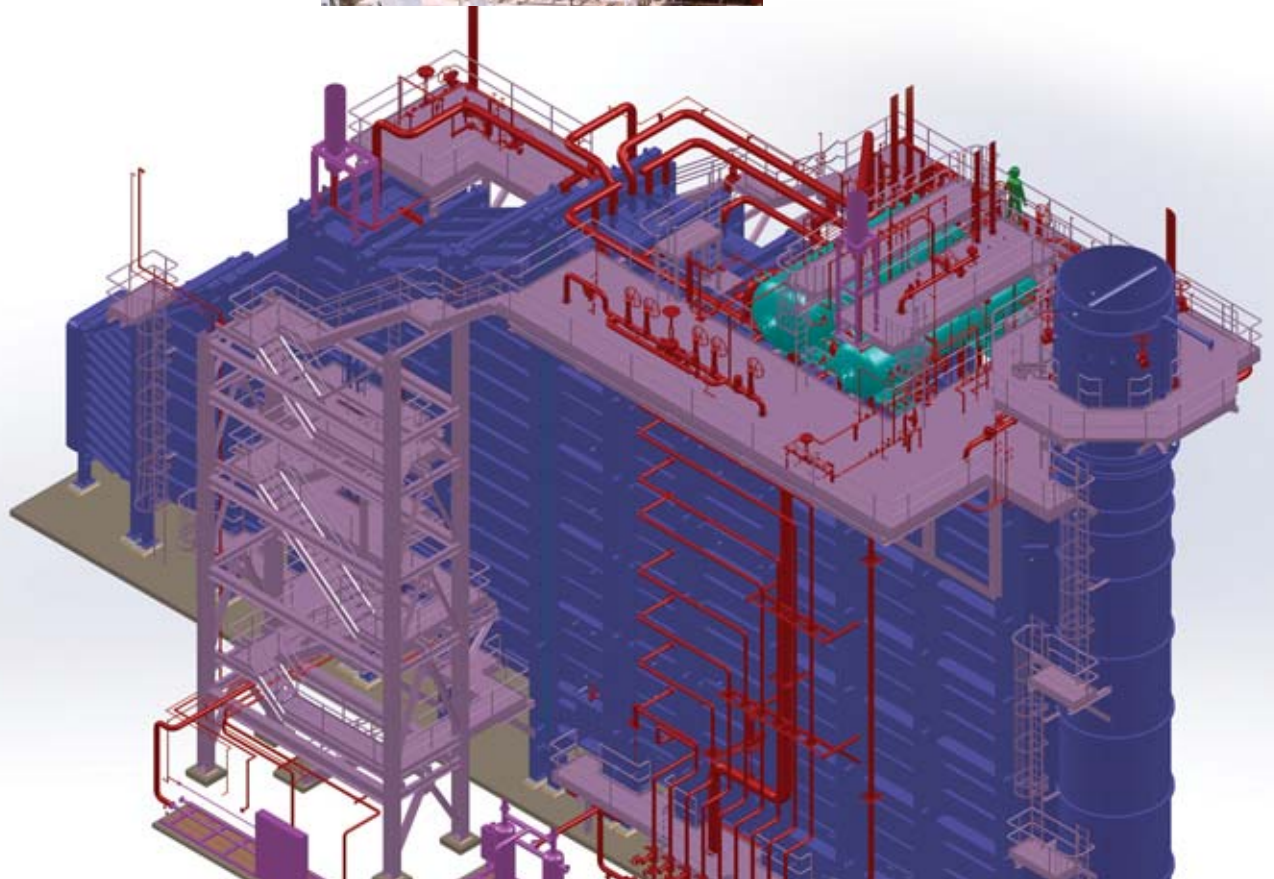
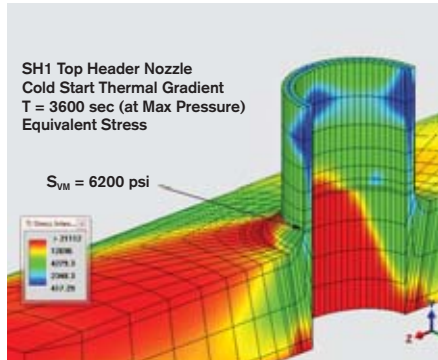
Industrial Gas Turbines
<40 MW

GE, Solar, Rolls Royce, Pratt & Whitney, Siemens



Expertise to Optimize the Life-Cycle of Fast Start HRSGs

Advanced analysis techniques are employed by Hamon Deltak to determine stresses and optimize equipment life. Rapidly cycling HRSGs place new demands on components. Special expertise is critical to balance operating response requirements with component life.



Constructability is Built into Every Unit

Working with leading EPC firms, Hamon Deltak has developed new techniques to minimize on-site erection and assembly. By integrating these techniques, learned from the field and from our customers, we've dramatically improved the constructability of our designs, reduced the number of field welds and shortened the overall installation time, saving our customers' money and time on installation.



Construction Options

Modular	Modules	C-Section	Bundles
Turbine model(s)	Small, Aero, thru Frame 6	F class and larger	Large Frame
Typical	Single wide	Double wide	Double or Triple wide
Heat exchange sections	Complete module with casing and HX section	Preassembled sections with casing sidewalls, roof and floor – in C-sections	Preassembled sections – truck shipped with lifting frames
Temporary steel	none	Truss sections for lifting C-sections, assembled and removed in field	One lifting frame per bundle
Duct sections, field joints, casing walls	Fabricated panels - flats	Fabricated panels - flats	Fabricated panels - flats
Casing sequence	Back to front, modules then field joints and duct sections	C-sections set, aligned and welded out, then field joints and duct sections	Casing construction completed before setting bundles



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