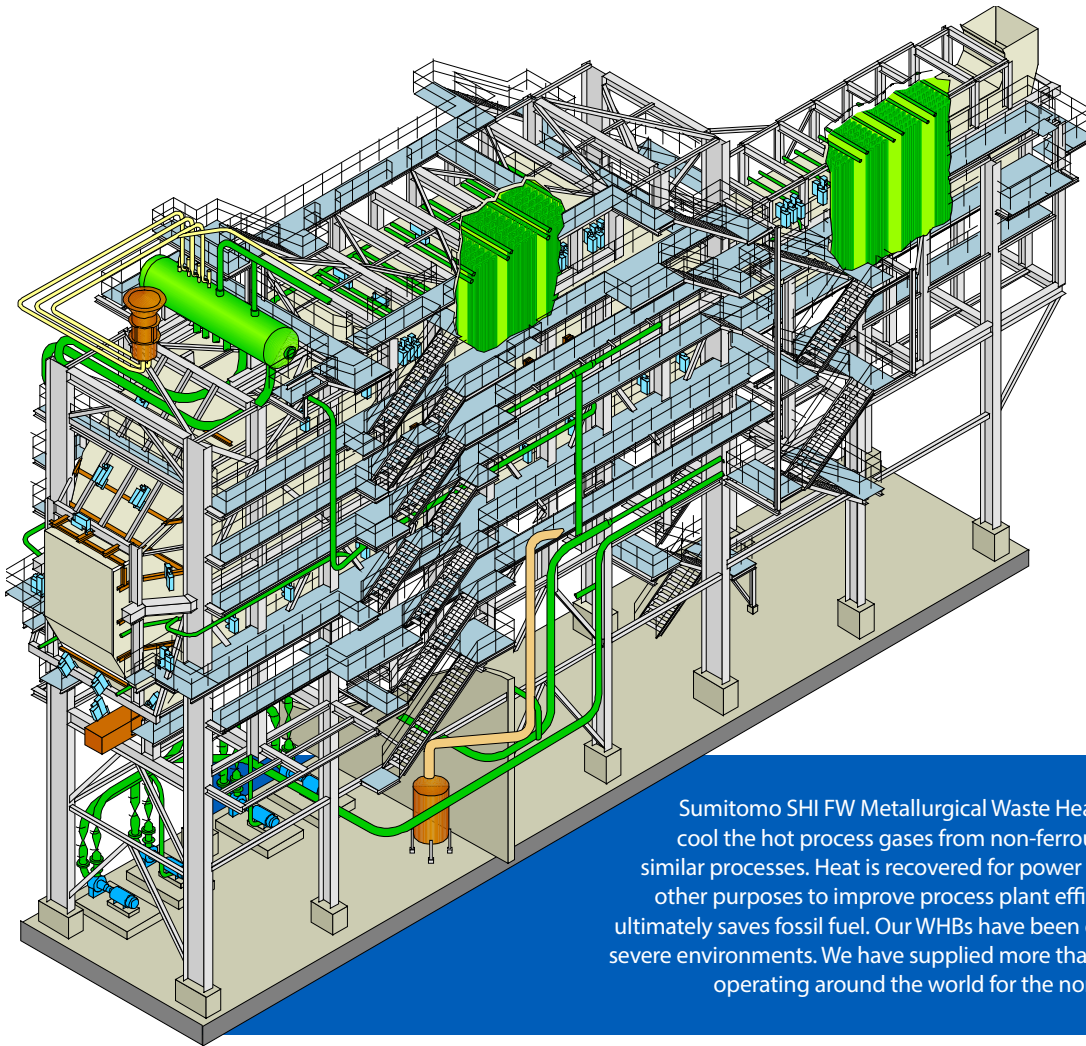


Metallurgical waste heat boilers

Provide High Value to the Metal Industry



General design features:

- ▶ Tough small-diameter standard tube membrane walls
- ▶ Omega-tubes for robust heat transfer surface
- ▶ Smooth surface composite-tube to prevent corrosion
- ▶ Weld overlays applied to extend wall life
- ▶ Robust but flexible rapped tube surfaces
- ▶ Efficient dust removal arrangement
- ▶ Gas flow profile optimized by CFD
- ▶ Unique patented spring hammer rapping system

Sumitomo SHI FW Metallurgical Waste Heat Boilers (WHB) are designed to cool the hot process gases from non-ferrous pyrometallurgical furnaces or similar processes. Heat is recovered for power generation, drying, heating and other purposes to improve process plant efficiency. This recovery of the heat ultimately saves fossil fuel. Our WHBs have been developed to operate reliably in severe environments. We have supplied more than 100 WHBs which are currently operating around the world for the non-ferrous metallurgical industry.

RECENT PROJECTS



Kazzinc New Metallurgy

Location: Ust - Kamenogorsk, Kazakhstan
 Customer: Xstrata Technology Pty Ltd, Australia
 Start-Up Year: 2011
 Capacity: Saturated steam 29 tph (64 kpph)
 Unit Type: 1 x WHB for Cu ISASMELT™ furnace,
 1 x WHB for Pb ISASMELT™



Tongling

Location: Tongling, China
 Customer: Anhui TongDu Copper Co.
 Start-Up Year: 2003
 Capacity: Saturated steam 43 tph (95 kpph)
 Unit Type: WHB for ausmelt Cu-smelting furnace



Boliden Copper Smelter

Location: Rönnskär, Skelleftehamn, Sweden
 Customer: Boliden Mineral Ab, Sweden
 Start-Up Year: 2000
 Capacity: Saturated steam 17 tph (37 kpph)
 Unit Type: WHB for Cu-flash smelting furnace

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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

Respect for people.

Valuing and inviting differing views and ideas

Committed to customers.

Exceeding expectations and providing value

Safety, integrity and teamwork.

Incorporating ethics in everything we do

Ownership of results.

Personally ensuring that success is achieved

Passion to innovate and grow.

Setting challenging goals for growth



Sumitomo
SHI **FW**