The Power of Sustainable Energy Solutions
A full range of technology solutions

We provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. We are the premier provider of steam generators, gasifiers, acid gas scrubbers and long-term energy storage.

All our technology solutions aim at producing energy in the form of electricity, heat and steam in the most affordable, sustainable and environmentally responsible way. Whether it is a boiler, gasifier or liquid air energy storage plant, our end goal remains true to this vision.

Our liquid air energy storage technology called CryoBattery™ is the newest addition to our portfolio. We see energy storage being the game changer allowing the continued growth of renewable energy into power grids around the world. CryoBattery can provide affordable gigawatt hours of energy storage wherever it is needed.

Our network of expertise

Our talented people are an important part of our overall global delivery network made up of offices, shops, service centers and licensees located across the globe. It is an efficient and highly competitive network proven by hundreds of successful projects with scopes ranging from basic equipment supply to turn-key boiler, scrubber and power plant deliveries and a full spectrum of aftermarket services.

Our Global Network
- Espoo, Finland
- Varkaus, Finland
- Sosnowiec, Poland
- Warsaw, Poland
- Norrköping, Sweden
- Krefeld, Germany
- Clinton, NJ, USA
- Shanghai, China
- Bangkok, Thailand
- Chonburi, Thailand
- Hanoi, Vietnam
- Seoul, South Korea
- Makati City, Philippines
- Jakarta, Indonesia
- Makati City, Philippines
- Tokyo, Japan

Sectors we serve
- Utility Power
- Industrial Steam and Power
- Combined Heat and Power
- District Heating
- Waste-to-Energy
- Electric energy storage
- Renewable enhancement
- T&D investment deferral
- Power quality and reliability
FEATURED PROJECTS

Samcheok Green Power Plant
Location: Samcheok, S. Korea
Plant Owner: Korean Southern Power
Start-Up Year: 2016-2017
Capacity: 4 x 550 MWe
Fuel: Coal, biomass

Polaniec Power Station
Location: Polaniec, Poland
Plant Owner: Engie
Start-Up Year: 2012
Capacity: 190 MWe
Fuel: Biomass (wood/20% agro waste)

Dangjin Bio-1
Location: Dangjin, S. Korea
Plant Owner: GS EPS
Start-Up Year: 2015
Capacity: 105 MWe
Fuel: PKS, wood pellets, wood chips

Chupei Paper Mill
Location: Chupei, Taiwan
Plant Owner: Cheng Loong Corp. (CLC)
Start-Up Year: 2021
Capacity: 19 MWe
Fuel: Paper mill rejects, paper mill sludges, coal

Soma Kolin Thermal Power Plant
Location: Soma, Turkey
Plant Owner: Hydro-Gen Energy
Start-Up Year: 2018
Capacity: 2 x 255 MWe
Fuel: Lignite

Biomasa de Cantabria at Reocin
Location: Reocin, Spain
Plant Owner: Ingeteam Power
Start-Up Year: 2012
Capacity: 10 MWe
Fuel: Biomass

Kazzinc New Metallurgy
Location: Ust-Kamenogorsk, Kazakhstan
Plant Owner: Xstrata Technology
Start-Up Year: 2011
Capacity: 29 tph

Basin Electric Dry Fork Station
Location: Gillette, WY, USA
Plant Owner: Basin Electric
Start-Up Year: 2011
Capacity: 420 MWe
Fuel: PRB Coal
Gas Flow: 3,060,000 m³/hr

NSE Biofuels Oy Ltd.
Location: Varkaus, Finland
Plant Owner: Stora Enso Oyj & Neste Oil Corp.
Start-Up Year: 2009
Capacity: 12 MWh
Fuel: Biomass, forestry residues

TSE Naantali
Location: Naantali, Finland
Plant Owner: TSE Oy
Start-Up Year: 2015
Capacity: 110 MWe
Fuel: Coal

Pilsworth Plant
Location: Manchester, UK
Plant Owner: HVP, Viridor, UK Govt.
Start-Up Year: 2018
Capacity: 15 MWh

Slough Plant
Location: Heathrow, UK
Plant Owner: HVP, UK Govt.
Start-Up Year: 2011
Capacity: 2.5 MWh

Tammervoima WTE
Location: Tampere, Finland
Plant Owner: Tammervoima Oy
Start-Up Year: 2016
Capacity: 58 MWh
Scope: Both mechanical and EIC: Daily maintenance, plan and execute annual outages, emergency services.

MGT Teesside Limited
Location: Teesside, UK
Plant Owner: MGT Teesside Limited
Start-Up Year: 2020
Capacity: 299 MWe
Fuel: Biomass, wood pellets, wood chips

Stora Enso
Location: Hyltebruk, Sweden
Plant Owner: Stora Enso Hylte AB
Start-Up Year: 2006
Capacity: 66 MWh
Fuel: De-Inking/bio sludge, demo wood

ESE Mikkeli Step Grid Retrofit
Location: Mikkeli, Finland
Plant Owner: ESE
Start-Up Year: 2013
Capacity: 25 MWe
Fuel: Forest residues, bark, peat
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.