

Media Release, (22 July 2022)

Hitachi Zosen Inova Group to Build the South Clyde Energy Centre

Bringing new sustainable waste management facilities to Scotland and reducing landfill usage

Following the signing of a construction contract for the South Clyde Energy Centre in July 2022, Fortum Glasgow Ltd, a joint venture between Fortum Oyj and Macquarie Asset Management's Green Investment Group, has appointed Hitachi Zosen Inova Steinmüller to design, build and commission the grate and boiler for a new thermal waste treatment facility in Glasgow, Scotland. Once operational, the new facility will generate up to 45 MWe gross of electricity by processing up to 350,000 tonnes of residual waste each year.

Glasgow, Scotland, UK: Fortum Glasgow Ltd, a joint venture partnership between Fortum Oyj and Macquarie Asset Management's Green Investment Group (GIG), has awarded Hitachi Zosen Inova Steinmüller, part of the Hitachi Zosen Inova Group (HZI) since February 2022, the contract to design, build and commission the grate and boiler for the new thermal waste treatment facility on a brownfield site in North Cardonald, Lanarkshire. This is HZI's second EfW project in Scotland to move into construction within a year.

Full construction is set to start in the third quarter of 2022 with the granting of financial close, and the new facility will enter commercial operation in the fourth quarter of 2025. In addition to treating non-recyclable waste and avoiding landfilling, the South Clyde Energy Centre will generate up to 45 MWe gross of renewable electrical energy, which will contribute valuable baseload energy to Scottish Power Energy Networks and Scottish and Southern Energy Networks. The construction phase will require up to 200 construction workers and will create supply chain opportunities for local businesses and trades.

"This is another important milestone in Scotland's drive for sustainable waste management, increased recycling and ensuring that non-recyclable waste does not end up in landfill. It's vitally important that this waste is appropriately managed to allow energy and valuable materials to be recovered in the treatment process and lower Scotland's overall carbon footprint," says Fabio Dinale, VP Business Development at HZI. "Modern Energy from Waste plants like the South Clyde Energy Centre will make significant contributions to meeting these crucial social and environmental goals."

Proprietary State-of-the-Art Technologies

The new infrastructure project will be built on brownfield land in North Cardonald. The site to the west of Glasgow was previously used as railway sidings and contained an aggregate recycling and concrete batching facility. The new plant will be equipped with HZI's own technologies such as the HZI reciprocating grate and state-of-the-art boiler technology. This will enable the South Clyde Energy Centre to meet the strict emission directive requirements and satisfy the high demands placed on modern Energy from Waste (EfW) facilities.

Continuing to Build Strong Partnerships with Fortum and GIG

The South Clyde Energy Centre will be HZI's third UK EfW project with GIG after the Rookery South and Newhurst installations. Following HZI's February 2022 acquisition of Steinmüller Babcock Environment (SBE), HZI will also benefit from SBE's long-term relationship with Fortum on thermal treatment projects. These additional skills and expertise in EfW engineering, design and construction will also feed into the South Clyde Energy Centre, HZI's 17th project in the UK to date. Thomas Feilenreiter, former Managing Director of SBE and now HZI's Vice President of Systems & Service Solutions, adds: "We are delighted that we're able to take our long-standing business partnership with Fortum further as part of the HZI Group. The new organisational set-up will allow us to bring our joint capabilities and established technical expertise to the South Clyde

Energy Centre project. HZI looks forward to moving into the construction phase and delivering this new and urgently needed waste management project in Scotland.”

Factsheet:

About Hitachi Zosen Inova

Zurich-based green-tech company Hitachi Zosen Inova (HZI) is a global leader in solutions for energy transition and circular economy including Energy from Waste (EfW) and Renewable Gas (RG), operating as part of the Hitachi Zosen Corporation Group. HZI acts as project developer, technology supplier and engineering, procurement and construction (EPC) contractor delivering complete turnkey plants and system solutions for thermal and biological waste recovery. Its solutions are based on efficient and environmentally sound technologies, are thoroughly tested, and can be flexibly adapted to customer requirements. HZI's Service Solutions Group combines its own research and development with comprehensive manufacturing and erection capabilities to provide support throughout a plant's entire plant cycle. HZI works for customers ranging from established waste management companies to up-and-coming partners in new markets. Its innovative and reliable solutions have been part of more than 1,600 reference projects worldwide. To find out more about HZI, please visit www.hz-inova.com.

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