

...and did you know

Mitsubishi Electric helps save 50 million litres of oil per year by warming buildings with residual heat of incineration plants

Mitsubishi Electric DCS controls incineration plants disposing waste for more than 3.5 million people across Europe

Mitsubishi Electric helps to avoid 1.4 million tons of landfill by waste every year

**Mitsubishi Electric –
A Global Company:**

Founded 1921
Turnover over 40 billion \$US
Over 120,000 employees
230 factories all over the world

Some of our recent success stories



Company:

Energy Supply Centre for Munich Airport

Location:

Munich, Germany

- Supply centre for electric power, heat and refrigeration
- Mission-critical, high-availability energy supply
- Keeping 35 million passengers per year moving safely and comfortably
- PMSXpro DCS and services



Company:

Cogeneration and waste incineration plant Iserlohn

Location:

Iserlohn, Germany

- 3 incineration lines
- 295,000 tpa waste combusted
- Full EI&C scope
- PMSXpro DCS
- Services (from spec to start up)
- Continuous Emissions Monitoring System and compliance reporting
- Control room ergonomics and redesign



Company:

Cogeneration and waste incineration plant Frankfurt (NW City)

Location:

Frankfurt, Germany

- 4 incineration lines
- 525,000 tpa waste combusted
- EI&C, plus Turbine & Generator control
- PMSXpro DCS
- Services (from spec to start up)

And here is how we smooth your power generation project...



Reduce the number of supplier interfaces

With our close to 100 years' experience of manufacturing electrical equipment you can trust in a partner who puts quality and safety above all else.

- Turnkey Electrical, Instrumentation & Control (EI&C) solutions for your plant from a single source
- A technology portfolio covering everything from MCCs to control system to grid connectivity



Get the power of the world's best generation standard

Following the world best standard for power generation plants, we ensure safe control, reliable data and online "as-built" documentation at all time.

- Mitsubishi Electric DCS is fully certified according to the VGB R170 standard
- VGB R170 captures worldwide best practices of generators with a 530GW combined capacity
- VGB-certified control and operator function library ensures safe operator actions and information



Ensure that the plant will start generating power on schedule

Our IPMA-certified professional project management and proven project delivery methodology, ensure on-time, on-budget and on-spec project delivery without risk of unforeseen scope, schedule and cost creep.

- Significantly reduced risk and cost via our "packaged knowledge" VGB-certified control library
- Powerful process simulation eliminates control and safety system errors before commissioning
- Simulation additionally ensures safe, clean plant start-up with pre-trained operators



Maximising plant profitability throughout the entire life cycle

Our high-available DCS provides reliable plant operation and build in tools and functions will keep you peace of mind throughout the entire life cycle of your power plant.

- Effective asset management, using condition monitoring and predictive maintenance tools
- Crystal clear management information dashboards mean rapid decision making about the station's operational and financial performance
- Automatic deviation alerting if plant performance KPIs drift negatively



Global partner. Local friend.



One provider, single interface

Integrated electrical, instrumentation, and control (EI&C) solutions from Mitsubishi Electric – a strong single-source capability that enables us to supply complete and fully integrated EI&C solutions to reduce the time, cost and risk of power generation projects, while at the same time extracting maximum efficiency and availability from the energy production assets.

Our scope of supply covers the entire EI&C project – from consulting, design and engineering to project management, commissioning and grid connection.

We're there for the entire life cycle of your power plant – from inception to decommissioning

A reliable partner with innovative technology, equipment know-how, worldwide presence, with a global service and support network.

Mitsubishi Electric continually strives to offer you the best automation solution, always with the goal in mind to reduce the total cost of ownership for its customers and thereby minimising the life cycle cost of the facility.

Selecting Mitsubishi Electric means you are opting for the highest quality and efficiency from planning, engineering, operation, maintenance through to the refurbishment and modernization of the plant.



- ▼ Mitsubishi Electric Europe B.V.
- ▼ Distributor / Representative

Mitsubishi Electric Europe B.V.

GERMANY Phone: +49 (0)2102 / 486-0
 CZECH REP. Phone: +420 251 551 470
 FRANCE Phone: +33 (0)1 / 55 68 55 68
 IRELAND Phone: +353 (0)1 4198800
 ITALY Phone: +39 039 / 60 53 1

NETHERLANDS Phone: +31 297250350
 POLAND Phone: +48 (0) 12 630 47 00
 RUSSIA Phone: +7 495 / 721 2070
 SPAIN Phone: +34 (0) 93 / 5653131

SWEDEN Phone: +46 (0) 8 625 10 00
 TURKEY Phone: +90 (0)216 / 526 39 90
 UK Phone: +44 (0)1707 / 28 87 80
 UAE Phone: +971 4 3724716



Mitsubishi Electric Europe B.V. / FA - European Business Group / Gothaer Straße 8 / D-40880 Ratingen / Germany / Tel: +49(0)2102-4860 / Fax: +49(0)2102-4861120 / info@mitsubishi-automation.com / https://eu3a.mitsubishielectric.com

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