

CASE STUDY

OEM expertise proves essential in turbine planned maintenance tender project for ENGIE Fabricom

Peter Brotherhood's maintenance team builds on years of experience and original equipment manufacturer expertise to provide a seamless one-stop service for clients from across the world.



Client: **ENGIE Fabricom**

Location: **Belgium**

Project: **Waste Incineration Plant**

Product: **Multi-Stage Condensing Steam Turbine**

Requirement: **Planned Maintenance**

When energy services provider ENGIE Fabricom tendered for a six-year contract to maintain a waste incineration plant in Belgium, they turned to Peter Brotherhood for our expert input as the OEM of the 4.4MW multi-stage condensing steam turbine at the heart of the facility.

ENGIE Fabricom provided us with three work scopes for the turbine which had been installed at Pont-de-Loup in Charleroi around ten years earlier by municipal waste management company ICDI.

Three smaller A-type work scopes were specified – one scheduled for 2016, one for 2018, and one for 2020 – along with one B-type annual inspection for 2019, and one C-type complete overhaul, for 2017.

Contract Engineer Emma McCabe took ownership of the project as soon as ENGIE Fabricom made contact early in 2016, and in less than a month our Lead Service Engineer Brian Moles was mobilised to Belgium to meet teams from ENGIE Fabricom and ICDI to further explore the extent of the work scopes.

Brian made a visual inspection of the turbine and was then able to advise ENGIE Fabricom that some of the work they had identified was unnecessary and the work scopes could be reduced.

Emma said:

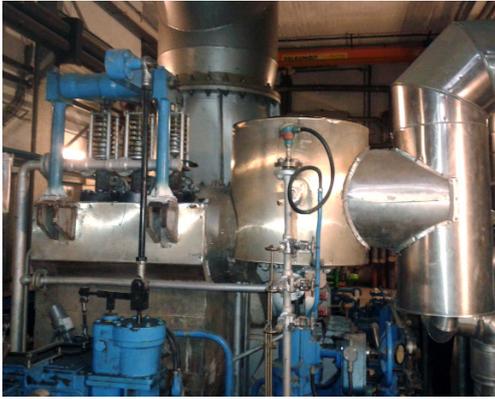
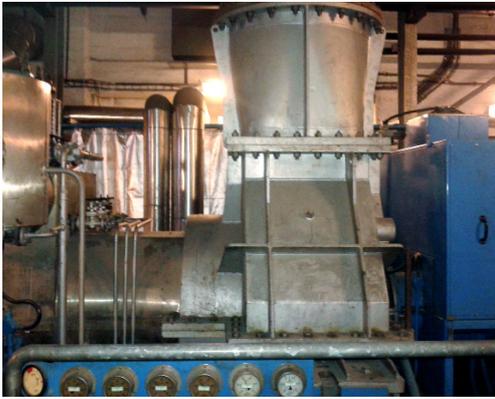
"The A-type work scopes had originally been allocated seven days each, the B-type 10 days, and the C-type 14 days. With Brian working closely with both ENGIE Fabricom and ICDI, these were reduced to three days, seven days, and 10 days respectively so lowering costs considerably."

At this stage, ICDI were required by law to update details of the work scopes circulated to other contenders for the contract, and there was a delay of several weeks before ENGIE Fabricom was officially awarded the tender.

Emma said:

"ENGIE Fabricom were very impressed by our commitment and with Brian's knowledge and experience, and we will be working alongside their teams for the lifetime of the project in a supervisory role. With our input, our client was able to demonstrate the savings that could be made by amending the work scopes and reducing the timescale and that helped them secure the contract."

Once the contract was awarded, Customer Services Director Matt Down met the teams from ENGIE Fabricom and ICDI, in May 2016, and soon after work began on the first work scope.



“This was our first experience of working with Peter Brotherhood, and we have been very impressed.”

Philippe Kempeneers
Project Leader
ENGIE Fabricom

Emma added:

“Brian also created a list of the spares we recommended as the OEM for each of the work scopes.

We completed the first work scope in June 2016, with another of our field service engineers – Derek Wilby – spending the scheduled three days on site, and the job came under the value of the PO. Derek also carried out further checks within the allocated timescale that were not part of the planned work, and the client was delighted.”

ENGIE Fabricom project leader Philippe Kempeneers said:

“This was our first experience of working with Peter Brotherhood, and we have been very impressed.

From the outset, they moved very quickly to ensure we had all the information we needed and Emma did an excellent job in helping us prepare the tender. She also created good lines of communication between us and the Peter Brotherhood field engineers and spares departments, ensuring we had the correct level of technical support and also spare parts when we needed them.

Brian Moles, working with our engineer, carried out a complete review of the work scopes and this allowed us to go back to the client with a more cost-effective and efficient proposal. We were also very impressed when Brian detected and resolved issues unconnected with the original work scope.

We were delighted to win the tender, and have nothing but praise for the professionalism and expertise of the Peter Brotherhood team.”



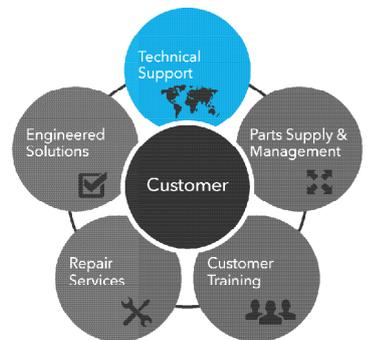
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Peter Brotherhood is a world leader in designing, manufacturing and servicing steam turbines and turbine generator (TG) sets up to 40MW. We have thousands of steam turbine installations in more than 140 countries. We conform to the stringent quality assurance standard ISO 9001:2008 and the environmental management standard ISO 14001:2004 as well as the Occupational Health and Safety Management System OHSAS 8001:2007.



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