



DOW Benelux Emerg0 Project (The Netherlands)

Piping & Mechanical

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Electrical & Instrumentation

Multi-technical

Modular construction

Induction bending

Piping prefabrication

Specialized fabrication

Owner

DOW Benelux NV

Client

DOW Benelux NV

Engineering

DOW Benelux NV

Location

Terneuzen, The Netherlands

Start date

March 2000

Completion date

May 2001

Contract value

€ 7.000.000

Total manhours

180.000



Project description

DOW built a new naphtha cracker (LHC 3) at the DOW Terneuzen site, in the south west of the Netherlands. The existing eighteen furnaces had to be revamped for enlargement of the capacity. After completion, seven furnaces would feed the existing cracker while the other eleven would produce basic materials for the new LHC 3 unit.

Fabricom (Sicon) was awarded the contract for the modification works of the interconnecting piping between the furnaces and the existing plant, as well as the installation of the interconnecting piping to the new plant. In our contract the shut down of the furnaces was included as well.

Safety & Quality

The revamp was executed in an operational unit. That is why the project name “Emerg0” - the zero stands for zero accidents and reportables. Together with all other contractors plans were created to minimise risks and to improve all communication, which resulted in a very safe work environment. Fabricom (Sicon) scored high on safety. Also on quality Fabricom (Sicon) scored very well. Zero % field weld rejections were recorded.

Our scope

Existing pipelines had to be removed, new lines had to be prefabricated and installed (e.g. a 54” feed line to the existing plant and 66” line to the new plant). Activities such as painting, scaffolding, insulation were subcontracted by Dow but coordinated by Fabricom (Sicon).

- Prefabrication of piping.
- Prefabrication and installation of pipe supports.
- Erection of prefabricated pipespools.
- Co-ordination of scaffolding, NDE, painting, insulation, E&I, carnage and steel erection.

