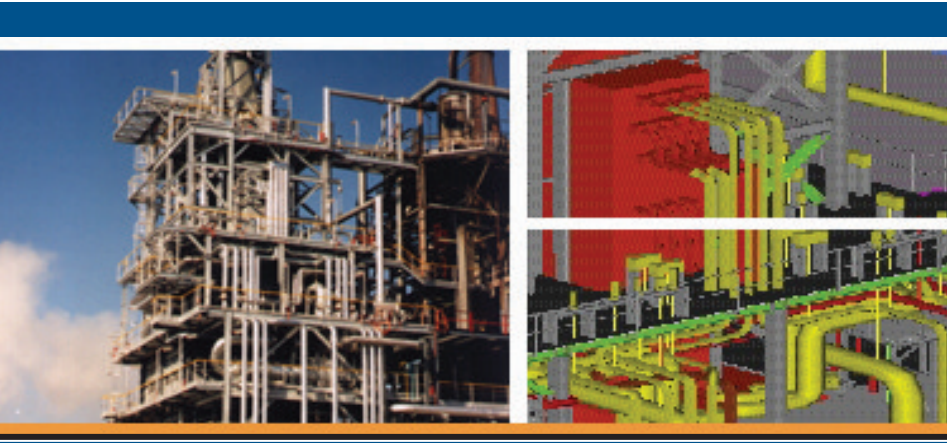


# Steam Cracking Furnace

## Altona, Victoria, Australia

**Client**

Kemcor Australia Pty Ltd

**Location**

Altona, Victoria, Australia

**Project Value**

A \$25 million

**Project Scope**

Detail Engineering & Design, Stress Analysis and Technical Assistance during construction

**Period of Work**

February 1997 to December 1997

**Project Description**

Uhde Shedden completed detail engineering covering all disciplines for the complete steam cracking ethylene furnace design and engineering.

The basic design package was prepared by Exxon-BCIT. Uhde Shedden work included mechanical and structural design of the radiant section, burner floors and refractory. It included all structural engineering for the installation, plus piping design and critical pipe stressing analyses. Utilities, instrumentation and interface designs were also undertaken by Shedden Uhde. The furnace radiant section was designed by Birwelco.

Uhde Shedden provided all fabrication and construction drawings for the furnace and associated utilities and tie-ins to an adjacent furnace and utilities.