ADVANCE™ DESIGN
EQUIPMENT RELINING

An alternative cost-effective solution to replacing High Pressure equipment
The challenge:
To extend the lifetime of the equipment, with minimum outlay, by resolving the issue of the thinning alloy protection and safety.

Stamicarbon’s solution:
Stamicarbon offers the complete installation of a new alloy protection on-site. This can either involve a complete relining or a partial relining. Equipment on which this is mainly performed includes the urea reactor and, in some cases, also the High Pressure Stripper or High Pressure Carbamate Condenser.

Our solutions offer three options:
A) Design relining procedure + on-site supervision during relining
B) As above and including supply of all relining material and consumables
C) As above and including relining execution

When you partner with Stamicarbon you can be assured to have:
• Minimum through-put time of the on-site relining project
• Maximum downtime / minimum production loss
• Minimum capital expenses
• Proven quality

The process:
While designing the relining procedure, Stamicarbon’s experienced and conscientious engineers give special attention to the installation and welding procedures ensuring that the liner fits perfectly, including an essential check of the condition of the carbon steel pressure vessel before starting installation of the new liner.

In most of the cases in-situ relining is possible. Where preparations are done correctly, a partial relining can be completed in approx. twenty days. A total relining will naturally need more time.

As regards to devising the relining project, Stamicarbon has proven experience and is fully prepared to assist you from the start-up until the final testing of the relined vessel, to ensure that all your needs and expectations are met.