



Customer : Ethylene plant  
 Product group : Flange Gaskets, Static Sealing Elements  
 Market : (Petro)chemicals and refineries  
 Application : Frenzelit novaphit® SSTC TA-L  
 Savings : € 21,750 PA

# ERIKS REPLACES FLANGE GASKETS AND REDUCES EMISSIONS AND COSTS

Ethylene production loss reduced by standardising flange gaskets



## CHALLENGE

Loss of production through emissions is estimated at 300,000 tonnes per year in Europe. In an average ethylene plant there are approximately 50,000 'gaskets', hence 50,000 sources of emission. This production loss is invisible in most companies. In addition to the economic loss, such emissions have a negative impact on the living environment.

## SOLUTION

ERIKS recommended the use of Frenzelit novaphit® SSTC TA-L instead of the standard 'nail gusset' of graphite with metal inserts. Using these, leakage levels can be reduced to 8.10<sup>-5</sup> mbar.l/s.m.

## SAVINGS

■ € 21,750 PA

## OTHER BENEFITS

- Ethylene production loss reduced from 55,730 kg to 892 kg per year
- Reduction in emissions
- Cost reduction