



Customer : Prins Autogassystemen B.V.  
 Product group : Rubber Technology  
 Market : Transport, aviation and maritime

# ERIKS DEVELOPS RIGHT FORMULA FOR COLD FLEXIBLE MEMBRANE

Co-makship with ERIKS results in optimisation of fuel systems



## CUSTOMER PROFILE

*Prins Autogassystemen B.V. is the industry leader in alternative fuel systems. The company has built up an excellent reputation with OEM customers, importers and retrofit customers as a supplier of cost-efficient and innovative solutions for a wide range of engine types. Applications range from automotive and HDV to industrial and maritime.*

## CHALLENGE

Prins Autogassystemen has made a fundamental choice to design and develop fuel systems, but to subcontract manufacture. This allows the company to fully focus on new innovative solutions, which include rubber seals, rubber hoses and pressure regulating membranes.

The quality of these components is crucial for automotive LPG systems. They must seal hermetically, be resistant to chemical compounds and be heat-resistant. The combination of chemical resistance and heat resistance in the same rubber compound is a real challenge. That is why Prins works closely with its supplier ERIKS. It's a collaboration that is akin to co-makship.

## SOLUTION

Prins values ERIKS as a 'rubber think tank'. Both parties regularly meet to exchange ideas and technologies. One of the successes of the collaboration is a new pressure regulating membrane that keeps the gas flow from the vaporiser to the injectors at a constant pressure. ERIKS developed a cold flexible membrane as a solution, which provides higher quality and durability. The combination of low temperature and flexibility placed special demands on the rubber compound, for which ERIKS was able to find the right formula.

## SAVINGS

- Cost savings
- Sustainability

## OTHER BENEFITS

- Higher quality
- More durable
- Customers sees opportunities in the Asian market because ERIKS offers solutions in logistics for stock management and can compile parts kits