

## Norgren leads the way in fluid technology

**IMI company** Norgren

**Customer** Ballast Nedam, The Netherlands

**Requirement** Ballast Nedam is a Dutch group whose main activities include renovation and maintenance of petrol stations, natural gas filling stations, biomethane chain management and development of sustainable energy installations. Requirements for valves in these applications are high for safety, sealing and function, as the natural gas is compressed to pressures of up to 300 bar. In addition, depending on the filling frequency at the station, an enormous number of switching cycles occur during the filling process. With every cycle, pressure differences up to 200 bar have to be handled by these systems. The customer was looking to partner with a company that had in-depth knowledge of high pressure processes and could deliver a valve solution to reduce the fill time of the tank, whilst meeting strict regulatory requirements.

**Solution** With more than 75 years of experience in the manufacturing of sophisticated solenoid valves, Buschjost is ideally placed to offer expertise in the area of high pressure valve technology.

High production quality and the best materials, especially in long lasting seals, are standard in the Buschjost high pressure valve range, and every single valve is tested before it is supplied. The burst pressure of these valves is above 1200 bar, and all single valve components perfectly match each other to ensure a very high cycle life. Due to the technical design and the high performance seals that are used, these solenoid valves provide a strong safeguard against leaks.

Ballast Nedam have benefitted from solutions that are extremely reliable and meet the demanding specification requirements of this market. An additional major attribute of the valves is that they have been designed and certified against the majority of international standards and regulations, thus presenting a large worldwide opportunity for additional projects.

