

# Machinery Repairs



Hans Beele at the ground-breaking ceremony of Sealing Valley

## Sealing Valley concept by Beele Engineering

For any engineering company, the opportunity of putting something back into the industry is essential for the future. However, the extent that Holland's Beele Engineering is investing in is remarkable. The evergreen Hans Beele, President Beele Engineering, recently carried out the ground-breaking ceremony of Sealing Valley. Beele Engineering has been operating in the marine and oil & gas industries for some 45 years, and Sealing Valley, among other activities, will give youngsters the opportunity to start careers in these markets.

Sealing Valley is a new concept that has been developed by Hans Beele. He has invested in a centre of expertise, close to the company's headquarters in Aalten, near the German border with the Netherlands, for the advancement of fire protection and watertight sealing technology to provide the highest possible levels of safety. Sealing Valley will create a concentrated centre of know-how, with shipboard, marine and oil & gas safety a prime focus area. It will be here that expertise, creativity and daily installation practice will come together in a campus set-up. More importantly, it will offer the young generation an opportunity to begin learning about the marine and offshore industries, in which Beele Engineering successfully operates. Beele says that Sealing Valley will strive to change the general industry safety mentality from a reactionary one to a much more proactive approach.

The building of the new Centre of Excellence for sealing technology began during September

this year (2017). The first phase of the campus is expected to be completed by the end of next year. Sealing Valley will offer production, research, development, training and the transfer of knowledge on sealing technologies, fire safety and waterproofing. This unique new campus, a privately-financed initiative, is the culmination of Beele Engineering's on-going aspiration to make the world a safer place in terms of fire and water protection.

It is not always entirely certain that the certificates and approvals, which are issued for fire and water protection products are clear enough to guarantee the functionality of products and systems in practice. Day-to-day reality has shown that there is substantial room for improvement in this respect. The implementation of regulations and certification procedures is an almost impossible task for a small engineering enterprise. Alongside researching and developing new technologies, the decision was made to take the initiative to intensify professional education, training and knowledge transfers with the market, in close institutional collaboration.

Beele Engineering has demonstrated its involvement in solutions guaranteeing fire resistance and waterproofing in the day-to-day environment for some four decades. Not just briefly, but for an entire generation. The 'We Care – We Solve' ideology makes the motivation of the company absolutely clear. Safety and sustainability are the cornerstones of Beele Engineering's corporate policy in these markets, and are embedded in the company's mission. After all, when disaster strikes it is unannounced, and it's precisely then that the safety measures must function – even after many years.

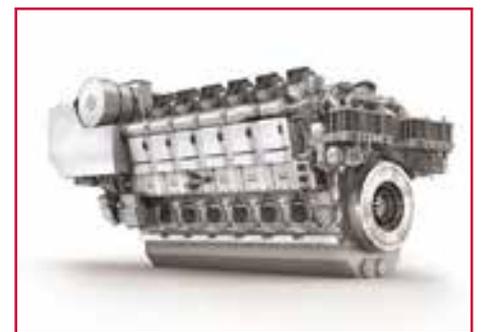
In many respects Beele Engineering is an 'outsider' - a company characterised on one hand by boundless optimism against all odds, and on the other, by vision, knowledge, action and technical application. Sealing Valley is a good illustration of this - a large-scale, international knowledge centre for the sealing technology.

## Man Diesel introduce the 'game changer'

Described as a 'Game Changer' MAN has introduced the MAN 45/60CR marine diesel engine, which will initially be available to the marine industry as 12V and 14V versions that boast power outputs, of 15,600 and 18,200 kW respectively. MAN has developed the maximum power version, the 20V45/60 with 26 MW.

Wayne Jones, Chief Sales Officer of MAN Diesel & Turbo, said, "The new engine combines the best features of the current 48/60CR, such as MAN's common-rail system with ECOMAP capability, and adds new technologies such as two-stage turbocharging for an unrivalled Specific Fuel Oil Consumption. The resultant reduction in operating expenses and positive environmental impact are sure to attract strong market interest."

MAN Diesel & Turbo states that the 45/60CR's power increase and low consumption are particularly aimed at such key, lifecycle-cost-oriented applications as cruiseships, ro/pax ferries, ro/ro vessels, and dredgers. It reports that the engine has been conceived from the beginning as a family concept that will accommodate future derivatives, for example, such as a dual-fuel derivative. The first set of V-type engines will be available from end-2020 with delivery of the first L-type engines due from 2022.



The 'Game Changer' MAN V45/60CR medium speed diesel engine