

ELGi Compressors Deliver Energy Efficiency Gains to Rubber Resources' Manufacturing Processes in The Netherlands

Reliability, Energy Efficiency, and Operational Simplicity result in lower total lifecycle cost while future-proofing operations against stringent energy efficiency regulations.

Elgi Equipments, (BSE: 522074 NSE: ELGIEQUIP), one of the world's leading air compressor manufacturers, with over 2 million installations across 120 countries continues to expand its footprint in European market. ELGi Compressors Europe, a subsidiary of ELGi Equipments Limited, completed an upgrade of the compressed air system at the Rubber Resources' BV manufacturing site in Maastricht, The Netherlands. Following the modernization project, Rubber Resources – a major player in rubber re-manufacturing in Europe – experienced increased efficiency and lower energy consumption which contributed to lowering their carbon footprint.

Chantal Bulten, General Manager at Rubber Resources, said "Rubber Resources specialises in the recycling of rubber waste, mainly butyl inner tubes and the treads of heavy vehicle tyres, into a product that can be used again in the production of consumer goods and products for commercial markets. Our mission is the sustainable re-use of rubber thus it is our priority to make our processes, especially our compressed air, as energy efficient as possible. It was therefore an easy decision to replace the existing 180kW compressor with a 110kW Variable Speed ELGi EG Premium Series unit, which resulted in us achieving class leading energy efficiency, reliability, and low maintenance costs with a support network and expertise to match. In addition, ELGi managed to install and commission the installation within 3 weeks after we placed the order as per the contractual agreement."

Chris Ringlstetter, President at ELGi Europe, said "At ELGi, we realise that energy efficiency is more than a buzzword – it is an operational and socio-economic imperative as well as being market and industry specific. Compressed air in Europe accounts for approximately 10 percent of Europe's total energy output. Energy savings compliance norms for companies in The Netherlands are quite stringent. ELGi's EG Series with its built in variable frequency drive, and the lowest power consumption in its class, has proven instrumental in reducing the total energy consumption of Rubber Resources' 24/7 manufacturing operations."

Over the last 60 years, ELGi has developed world class products with best-in-class lifecycle costs, resulting in higher uptime for the customer. The EG Series of oil-lubricated compressors provides customers with high-quality compressed air in the harshest environmental conditions, all while ensuring minimal downtime. One of the key attributes of the EG Series is that it incorporates the state-of-the-art technology of ELGi's oil-injected screw element providing a long and trouble-free life at one of the lowest operating cost. The entire EG Series package houses the ELGi designed screw element with ELGi's unique ηv rotor profile which is highly efficient and much slower running versus most other units on the market.

The in-built ELGi CONSERVE Variable Frequency Drives (VFD) matches compressor output with demand by varying motor speed – reducing power consumption in line with the reduction in demand. Compared to a compressor without a VFD, over a ten-year operating period, an EG Series can have a 34 percent reduction in energy costs.