

Challenge

AUTOMATIZATION AND RETROFIT OF A VISUAL PARTICLE ANALYZER

OMV is faced with the challenge of optimizing an existing analysis device capable of measuring droplet and particle quantity as well as their size. The current issue lies in the susceptibility of the optical system of the device to contamination. Currently, cleaning of the device takes place manually, and the device is not integrated into their control and operating system. Therefore, OMV seeks creative solutions to retrofit the device to current standards.

OMV is looking forward to creative ideas and innovative approaches to enhance the performance and reliability of the analysis device.

Industry
Partner

OMV produces and markets oil, gas and chemical product and process solutions in a responsible way. Combining the chemical and mechanical recycling expertise of OMV and Borealis, the group aims to become a leader in the plastics circular economy. Group sales revenues of EUR 17 bn and a workforce of around 25,000 employees make OMV one of Austria's largest listed industrial companies.



Mission

- ▶ **Develop** an automatic cleaning system for the analysis device's optical system, initiating demand-oriented maintenance
- ▶ **Address** compatibility issues with current operating systems
- ▶ **Seek** for cost-effective, reliable, and easy to maintain solutions

