

# Process safety

The LOTOS Group has for many years applied best practices to ensure the integrity of its process infrastructure. They include zero-testing of materials and equipment, predictive and preventive maintenance, an inspection and surveillance testing programme, non-destructive testing (NDT) – testing of apparatus and pipeline wall thickness, RBI (Risk-Based Inspection) programme, regular plant overhauls, execution of annual preventive equipment inspection plans, corrosion monitoring, functional testing of security systems and process interlocks, equipment criticality management with respect to response times, as well as management of spare part stocks and scopes of preventive testing.

In 2019, a process safety team was established to supervise the integrity of the LOTOS Group's assets.

Every incident reported at any Group company is subject to an analysis of its causes and circumstances, often resulting in follow-up reviews or implementation of new procedures to prevent recurrence.

- LOTOS Paliwa introduced new regulations on the supervision of construction and engineering works carried out at CODO service stations.
- LOTOS Oil has procedures in place for emergency response and for investigating accidents at work, instances of work-related ill health and unsafe situations. In order to ensure process safety, schedules are created to control key equipment and prevent unplanned releases of any substances, including non-toxic and non-flammable materials. The rollout of the 5S system at refining units is another factor enhancing process safety, as it helps create and maintain well-organised, clean, highly efficient and quality workstations.

OG13

## **In 2019, we recorded 27 process safety incidents.**

- 19 of them were identified at an early stage (and classified as Tier 2), which enabled us to address them quickly and prevent them from escalating to Tier 1.
- Eight events were classified as Tier 1.