



Defence Materiel Organisation
Ministry of Defence

Netherlands Defence
Pipeline Organisation
Fuelling your Wings
Corporate brochure



“In a rapidly changing world, the DPO is widely known as a reliable partner in military, civilian and societal contexts and in different sections of society. We achieve this by continuously focussing on the relationship with our clients, training talented people, sustainable growth, a futureproof infrastructure, and the highest quality standards for our products and processes.”

“Fuelling your wings, that is what the DPO is all about.”

Defence Pipeline Organisation

Fuelling your wings

At the Defence Pipeline Organisation (DPO), we transport jet fuel from refineries and storage terminals in Rotterdam (Europoort and Botlek) to our clients in a safe, effective and efficient manner by means of an underground pipeline system. These include military air bases in the Netherlands and abroad, in addition to commercial airports such as Schiphol, Zaventem and Frankfurt. We can also temporarily store kerosene for our clients in our own storage tanks.



Inspection of one of the valve pits.

Future-proof infrastructure

The future-proof infrastructure of the DPO consists of an active pipeline system with a length of 550 km in the Netherlands, connected to the central depot in Pernis and the depots in Klaphek and Markelo. We also have a depot in Deinum, Friesland. A depot consists of multiple storage tanks with a capacity from 1,250 m³ to 5,000 m³. Special pump installations transfer the kerosene with flows ranging from 50 to 550 m³ per hour with a maximum pressure of 80 bar. This infrastructure guarantees a safe, undisturbed mode of transport that does not involve any traffic jams or the accompanying CO₂ emissions. In the Netherlands, the air bases in Volkel, Gilze Rijen and Eindhoven are supplied by the pipeline system. The air base in Leeuwarden is supplied with kerosene via an underground pipeline from our DPO depot in Deinum, which is supplied by inland vessels.



OPERATIONAL
550 km
 = distance:
 Amsterdam-Paris

CAPACITY
 MAIN PIPELINE:
550m³ per hour
 as many as
14 tank trucks

TRANSPORT

kerosene

Pipelines first laid:
 Around 1967

Pipeline material:
 Seamless drawn and welded steel

Depth at which pipelines lie:
 1.20 metres

Pipeline protection:
 Polyethylene coating



The product is moved in the right direction by valves in the manifold.



Inspection of the pumps during the pumping process.

Cor Langendoen, Pernis Depot, Area Manager

“The central control room at Pernis Depot was completed in 2016 and makes a significant contribution to the smooth operation and further optimisation of the core business. From here, the technical heart of our business operations, we can carry out nearly all operations at the press of a button, such as starting the engines and pumps and remotely opening and closing the valves. Leak detection and pressure systems, as well as others, ensure the safety of pumping process. The Pernis Depot also has a laboratory for the quality control of the incoming kerosene.”

*The operators are ready to assist our clients 365 days a year,
24 hours a day.*





Inspection of the pipelines in one of the pipeline tunnels.

Focus on risk management

At the DPO, we are always aware of the risks associated with working with kerosene under high pressure. In the context of corporate social responsibility, we take numerous measures focussed on quality assurance, occupational health and safety, environmental activities, compliance with permit requirements, and required maintenance work. The DPO is ISO 14001 certified for environmental management. We also pay due attention to asset management and business continuity management.

Internal pipeline inspection for wall thickness and for identifying irregularities at an early stage are carried out very regularly. We also have a technologically advanced maintenance management system for the implementation and registration of the necessary preventive and corrective maintenance to the technical installations and components. All relevant information about the pipelines is tracked in the Pipeline Management System, so the network stays safe and undisturbed underground. We check the safe position of the pipes from the air, and pipeline supervisors monitor what is taking place on the ground. They ensure that 'ground workers', such as contractors and farmers, can work safely and at a safe distance from the pipes.

PERIODIC
Maintenance and repairs

CHECKS
24/7
Safety inspection

QUALITY
Quality control fuels

SURVEYS
car daily
helicopter weekly



The intelligent PIG (Pipeline Inspection Gear), a tool to internally inspect the condition of the pipeline.

Continuous product quality control

Our operators and qualified staff in our laboratory at the Pernis Depot ensure the quality control of our main product: kerosene.

Further to complying with all legislation, we continuously strive to comply with the strictest standards of the industry. The DPO laboratory is ISO 17025 certified.

The product delivered from Europoort and Botlek to the pipeline system must have a quality certificate. In the laboratory, the product is tested for a number of key points for certification before it is accepted. In this way, the Central European Pipeline System (CEPS) ensures that the product in the pipeline system is always of the same quality. Within CEPS this is referred to as the Banking System.



Checking the key points in the DPO laboratory.



Carrying out maintenance on one of the cages in the Europort.

Corporate social responsibility



At the DPO we attach great importance to our active membership of the Association of Pipeline Owners in the Netherlands (Velin). The purpose of this association is to ensure safety. Every year, we jointly analyse incidents and near misses, and pool our knowledge and experience to take the necessary measures to prevent recurrences. In doing so, we strengthen our relationship of trust with relevant partners from different sections of society and our clients.

Rich history, promising future

Fuelling your wings, our current motto, has applied ever since the military pipeline system in the Netherlands and Western Europe was laid between 1950 and 1957. The DPO has a strong focus on service provision, which has since extended to civil clients, whereby cooperation, efficiency and technical innovation are as important now as ever. The DPO moves with the times and is able time and again to adapt the scope and performance of the pipeline system and the organisation to new national and international developments in a flexible manner.

Training the next generation

At the DPO, corporate social responsibility also means training the next generation of talented newcomers, and connecting with different sections of society. That is why we are a certified training company for various senior secondary vocational education programmes, including those for process operator, specialists in mechanical and electrical maintenance, financial assistant, administrative assistant, and technical IT assistant. In this context, we work closely together with various regional training centres in the Netherlands and build long-term relationships.



Would you like more information or an introductory meeting? For more information, an introductory meeting, or open vacancies, you can contact us at:

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Also visit www.defensiepijpleidingorganisatie.nl

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