

**Pollux Consulting** is a Consultant and Engineering Company located in the North of Europe, with offices in Belgium and the Netherlands. Specialized in environmental engineering, Pollux Consulting delivers high level expertise in **Integrated Management Solutions** for

- Municipal waste,
- Industrial solid waste,
- Industrial sludge and residue,
- sediments

Pollux Consulting serves his clients **from site audit to project implementation**, through the complete engineering cycle of a project:

- Audit,
- Site Investigation,
- Feasibility Study,
- Conceptual, Basic and Detailed Engineering,
- Construction Supervision,
- Construction and Operation Management.

The Senior Experts of Pollux Consulting have more than **25 years of experience** in

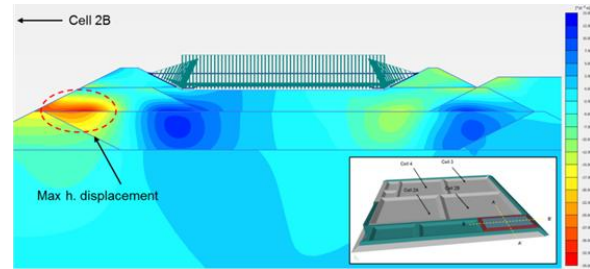
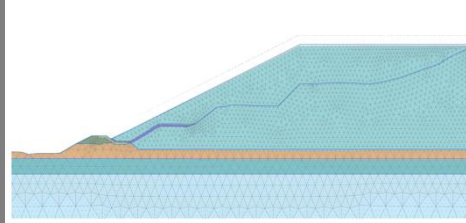
- Environmental services,
- Rehabilitation of polluted industrial sites,
- Management of municipal waste,
- Management of industrial hazardous and non-hazardous waste,
- Management of tailings and residue from the mining and metallurgical process,
- Design, construction and operation management of landfills,
- Management and valorization of landfill gas,
- CDM projects,
- Training.



The Engineering Department of Pollux Consulting is **experienced in Engineering Analysis and Model Development**:

- Mass Balance Calculations,
- Water Balance and Hydrological Balance Calculations,
- Geological and Geotechnical Analysis,
- Stability Calculations,
- Cut & Fill Analysis,
- Drainage Analysis and Calculations,
- Landfill Design Development,
- Landfill Gas Prediction and Management Analysis,
- Health & Safety Analysis and Implementation.





The design, calculation notes and drawings are produced using the following **software**:

- Rhinoceros v5 (3D graphic modelling)
- Autocad civil 3D 2010 and DoubleCAD XT 2011 (3D/2D CAD)
- Naviswork 2010 (3D modelling and 3D model revision)
- Slope/W and Geostudio 2007 suite (slope stability analysis and soil mechanics)
- Plaxis 3D, Plaxis 2D and Slide (stability analysis and settlement analysis)
- Pipeflow Expert (piping network solving)
- Gassim v2 (landfill gas generation and risk)
- Landsim v2.5 (Landfill leachate estimation and risk)
- GMS v7.1 (Groundwater modelling system)
- Arcview v9 and QGIS v1.6 (GIS softwares)
- HELP v3.07 (ground water balance)
- RealFlow v4 (fluid behaviour)
- FloWizard (computational fluid dynamics)

Pollux Consulting manages projects through native engineers in English, Dutch, French, Italian and Spanish.

Piet Wens and Paul Verkaeren from Pollux Consulting are **recognised landfill experts** for the Flemish Authorities.

The Pollux Consulting Engineers have a large **international experience** managing projects in Belgium, The Netherlands, France, Germany, Lithuania, Russia, Croatia, Bulgaria, Ukraina, Azerbaijan, Morocco, Turkey, Cyprus and China.

The Clients of Pollux Consulting are mainly **local and multinational companies** active in the Engineering sector, waste sector, chemical sector, energy sector, mining sector, steel industry and metallurgy, as well as **public authorities and agencies**.

