

PetroBrazi Refinery ETP, Romania

Plant management & simultaneous modernisation



WABAG Water Services SRL, Romania has been operating the Refinery ETP in Brazi since April 2008 within the frame of an outsourcing contract awarded by OMV Petrom SA.

The ETP with a capacity of 30,000 m³/d has undergone a

comprehensive refurbishment and technological optimisation and upgrading programme. This ambitious project was carried out by WWS. The modernisation process commenced in 2010 and was realised in two phases during continuous plant operation.

In addition, a self-washing filtration system was installed for enhanced water reuse.

The projects were completed in 2014 to the full satisfaction of the client.

Features

- Professional plant management while a comprehensive modernisation programme has been carried out simultaneously.
- Attainment of stringent environmental standards of the Austria-based OMV group
- Professional O&M according to HSEQ regulations and standards.



Client
OMV PETROM SA

Type
Industrial Outsourcing

O&M
April 2008 – June 2019

Maximum Hydraulic Load
30,000 m³/d

Average Operation Load
25,000 m³/d

Work force
60

Work shifts
in total 5 shifts;
2 shifts per day;
each 12 hours

Operation & Maintenance

The O&M Services include:

- Complete technical and commercial management of the plant
- Quality management according: ISO 9001, ISO 14001, OHSAS 18001
- Provision of O&M personnel
- Training and integration of personnel
- Continuous maintenance & repairs
- Reporting to client and public authorities
- Expert consulting for plant upgrading
- Design and completion of reinvestments

ETP – main technology:

- Slop oil recovery (API)
- Dissolved air flotation (DAF)
- Activated sludge process
- Slop and sludge tri-caners
- Self-washing filtration (Reuse)
- VOC odour treatment

Recycling:

- Water: partial reuse as service water (15,000 m³/d,
- Oil Recycling: 77 tons per day

Efficient day-to-day operation:

- Procurement of chemicals and spare parts
- Sludge and slop treatment (dewatering/purification)
- Sludge disposal (transport to incineration plant)
- Laboratory services and reporting

