



PAQUES

SERVICES

Using our expertise to optimise your installation

We offer you our expertise and support, varying from process optimisation, troubleshooting, the delivery of spare parts, nutrients and biomass to long-term maintenance contracts and retrofits for wastewater & gas treatment installations.

revitalizing resources

Optimising your wastewater and gas treatment



Paques Services is keen to get the best from your installation. Please select any of our service activities, ranging from remote monitoring to contracts for delivery of parts and maintenance, and be ensured of care free support. Paques offers you high quality services based on a spirit of experience and long term partnerships.

Industrial services are becoming increasingly important for our customers. Common objectives are the increase of production efficiency, reliability, safety and flexibility. Paques is proud to have gained extensive knowledge and experience by means of many years of designing and building industrial wastewater and gas treatment plants.

With our Services department we offer you our expertise and support, varying from process optimisation, stable and safe operation, troubleshooting, the delivery of

spare parts, nutrients and biomass to long-term maintenance contracts and retrofits for wastewater and gas treatment installations.

Paques' assistance results in higher up-time, more revenues, increased life-span and up-to-date safety.

By involving Paques Services you can expect the highest quality and the best results in both know-how and technical support!

Why choose for Paques Services:

- Increase up-time and prevent unexpected upsets
- Optimise biological processes
- Improve stable reactor performance
- Reduce operational costs
- Boost green energy revenues
- Enhance COD removal
- Expand asset life-span
- Update safety situation
- Use of original spare parts and process specific nutrient blends
- Tap into 30 years of experience - with 2260 references worldwide

Call us now for your quick scan!



Rebuilds

- Renovations and retrofits of Paques' systems
- Technological, operational or safety upgrades of installations
- Modifications and BIOPAQ® conversions of third party reactors

Consultancy

- Quick scan/feasibility studies for aerobic/anaerobic or biogas treatment
- Technological second opinions
- Biomass qualification and influent/effluent characterisation
- Bioassay lab analyses and biodegradability, biomass activity or toxicity testing

Operational assistance

- Start-up supervision and technological coaching
- Educational courses and training (e.g. operations or safety)
- Remote monitoring and support
- Process troubleshooting (remote and on-site) and equipment inspection

Maintenance

- (Periodic) plant audits and preventive/corrective maintenance of parts and equipment
- Technical troubleshooting on-site incl. mounting and repairs of parts and equipment
- Supervision during major overhauls – ensuring safe and quick turnarounds
- Supply of spare parts/quick deliveries of key components

Supply of Biomass & Nutrients

- Anaerobic granular biomass deliveries for (re)start-up or topping-up
- THIOPAQ® biomass and ANAMMOX® granular biomass
- Ready-to-dose liquid formulations of macro- and micronutrients for microbial growth and activity improvement

Rental installations

- Pilot installations for on-site testing
- Full scale containerized 40 m³ biogas buffer, ideal during maintenance
- Various rental units for full-scale testing or temporary solutions



Life time extension

Periodical maintenance and inspection results in increased efficiency and extended life-span of your installation. Paques Services delivers experts for technical support, from thorough inspections to mechanical or instrumentation and software updates. Paques supervises your overhauls and supplies OEM parts in order to keep your installation in top condition.

The life-span of your equipment is further extended by Paques' Retrofit and Modification programmes. Paques not only has a lot of experience in refurbishment of BIOPAQ® installations, but also in modifying or rebuilding systems of other manufacturers of (anaerobic) treatment systems.



Optimal biological process

Paques Services helps you safeguarding the condition and growth of the active biomass in your installation. We follow the activity and condition of the granular biomass, provide special developed nutrient blends for microbial growth and activity, and supply fresh biomass in case of re-starts, calamities or low performance situations.

Paques offers a range of standard and customized physico-chemical and bioassay laboratory analyses, all necessary for biomass qualification or influent/effluent characterisation.

Laboratory and bench scale test equipment is available for different feasibility studies.



Technological know-how

Paques offers consultancy on a range of technical and technological subjects, ranging from remote monitoring, troubleshooting on-site to feasibility desk studies. Our experts are able to give advice with respect to e.g. aerobic and anaerobic treatment solutions, biogas treatment strategies and technologies for metal removal or recovery.

Typical requests for consultancy are related to sludge digesters, MBR's, biogas scrubbers, anaerobic reactors, activated sludge systems, nitrogen or phosphate removal/recovery and process water re-use. The solutions vary from desk studies, on-site operational advice to remotely monitored pilots and customized tests in the Paques' laboratories.



Paques: leading in biological wastewater and gas treatment

Paques has over 30 years experience in helping industries and municipalities to reduce their water and carbon footprints and reclaim valuable resources. The cost-effective effluent purification systems produce energy from wastewater, whilst purifying the water and facilitating water reuse. Since 1980, Paques realised more than 1800

references worldwide. Besides the headquarters in The Netherlands, Paques has subsidiaries and/or production locations in China, Brazil, United States of America, India and Malaysia. In many other countries, the company is represented by licensed partners. This ensures local presence and the best service for clients worldwide.

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