

The background of the entire page is a blurred photograph of electronic components, including several silver-colored metal inductors or coils. Overlaid on the left side of the image is a large, stylized spiral graphic composed of four concentric, overlapping rings. The rings are colored in a gradient: the innermost ring is cyan, followed by blue, then green, and the outermost ring is purple. The overall composition suggests a focus on technology and engineering.

edp  
Labelec

Center of technical excellence

# Environment

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Practical solutions are offered to better manage environmental issues related to legal requirements of water legislation.

The environment team has a vast experience in the design and implementation of monitoring programs, the data from which are used to assess quality and to identify trends and key factors.

Our expertise and equipment allows the water quality survey services that we provide to span an extensive range of physicochemical, biological and hydromorphological parameters in rivers and reservoirs.

Our testing laboratories ensure reliable results for natural waters, wastewater, industrial water, drinking water and several types of solid samples, with more than 200 accredited tests by the Portuguese Institute of Accreditation (IPAC).

## Main services

- Ecological quality assessment of rivers, reservoirs and lakes
- monitoring of physical-chemical, biological and hydromorphological quality of rivers, lakes and reservoirs
- monitoring and quality assessment of groundwater (piezometers, boreholes and wells)
- quality control of water intended for human consumption
- phytoplankton identification, quantification and biovolume estimation for natural and drinking waters
- characterization of liquid, gaseous and leachate effluents
- environmental flows efficacy assesement
- permitting and regulatory compliance
- consulting services on applied limnology and freshwater ecology



- analyses on biofuels and other solid fuels, including moisture content, calorific value, ash melting behavior and trace elements of environmental relevance, such as mercury
- chemical and environmental analyses on sediments and sludges, including dry matter, organic matter, grain size and heavy metals
- industrial demineralized water and steam analyses to check quality operational requirements at trace levels, such as on-line conductivity, TOC, chloride, sulfate, sodium and iron
- verification and calibration of in-line analyzers for industrial installations (e.g. steam water circuit and effluent treatment installations)
- characterization of corrosion products and boiler tubes deposits
- collection and analysis of freshwater benthic macroinvertebrates and fish fauna.



Environment



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