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# SENAI TECHNOLOGY INSTITUTE OF ENVIRONMENT AND CHEMISTRY

Senai Technology Institute of Environment and Chemistry aims to promote the sustainable development of industries and provide integrated solutions through technological innovation, technology transfer, technological consulting services and metrological services. It offers environmental solutions and controls that are always up-to-date in accordance with legal standards.



## LABORATORIES

The laboratories are designed to help companies comply with legal requirements and are equipped to perform the collecting/sampling and testing in water, wastewater, solid wastes, air emissions and soil. The main laboratories are:

### Central Laboratory

- Physical-chemical
- Microbiology
- Spectrometry
- Ecotoxicology
- Chromatography
- Atmospheric emissions

### Advanced Laboratories

- Environment and Chemistry - Senai in Maringá, Paraná



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# CONSULTING SERVICES

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## ENVIRONMENT AND CHEMISTRY

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- **EIA (Environmental Impact Study) and RIMA (Environmental Impact Report)**
- **Implementation of the ABNT – ISO 14001 Standard**
- **Environmental licensing and development of programs**
- **Environmental education programs**
- **Implementation of Integrated Management System**
- **Environmental Auditing**
- **Audit for assessment of standard compliance**
- **Construction Waste Management**
- **Plan for management of solid wastes, atmospheric and liquid effluents**
- **Reverse logistics plan**
- **Carbon neutral events**
- **Implementation of environmental management systems (NBR ISO 14001)**
- **Conceptional design and optimization of system for industrial and residential effluents treatment**
- **Investigation of contaminated sites and remediation plan**



## TECHNOLOGICAL INNOVATION

Study of high-complexity contaminants in water and wastewater

- Utilization of organic waste biogas
- Development of new technologies for waste treatment and disposal
- Utilization and/or treatment of industrial solid wastes
- Reuse of energy through thermal processes
- Atmospheric emissions
- Combustion process study in waste recovery
- Odor abatement and control
- Contaminated areas: study of new remediation technologies (biotechnology, electrochemistry and others)



### FOR FURTHER INFORMATION, CONTACT:

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