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SENAI TECHNOLOGY INSTITUTE OF CONSTRUCTION

Senai's Institute of Construction Technology promotes sustainable technological solutions and develops and assesses the technical and economic efficiency of new materials and technologies applied to buildings, ensuring the quality and safety of building systems. The solutions are offered through technological consulting, metrological services and technological innovation projects in industries.



LABORATORIES

Assistance in certification processes, performance standard, analysis and development of construction materials and processes are some of the activities carried out by the laboratories, which are equipped to do tests in several areas of expertise:

Central Laboratory

- Ceramics and Artifacts
- Aggregates and Minerals
- Concrete and Mortar
- Soils and Paving
- Chemical Tests
- Construction Technologies and Comforts - Performance Standards (NBR 15575)

Advanced Laboratories

- Construction – Senai in Maringá, Paraná
- Construction – Senai in Cascavel, Paraná
- Construction – Senai in Pato Branco, Paraná



CONSULTING SERVICES



CONSTRUCTION

- **BIM - Building Information Modelling**
- **Implementation and audit of Quality Management System (SIAC - PBQP-H)**
- **Process optimization**
- **Layout optimization of the production process**
- **Sustainable construction**
- **Solutions for layout adjustment**
- **Adaptation of processes and products for fulfillment of the requirements of Construction Quality Programs, such as PSQs and PBQP-H**
- **Adaptation of processes and projects for fulfillment of the requirements of Standard 15575/2013**
- **Audit for assessment of standard compliance**
- **Construction Waste Management**
- **Quality Management System (SIAC - PBQP-H)**
- **Lean Construction**



TECHNOLOGICAL INNOVATION

Companies are offered services such as the creation of development projects, tests and recommendations based on results obtained in the following topics:

- **Development of materials, with the recovery of waste in several areas**
- **Development and evaluation of construction materials and systems**
- **Development of products, assessments of sustainability in constructions, simulations and energy evaluations**



FOR FURTHER INFORMATION, CONTACT:

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