

**Company/lab name:** Iberdrola

**Company/lab website:**

[www.iberdrola.com/](http://www.iberdrola.com/)  
[www.neoenergia.com](http://www.neoenergia.com)

**Name of the Project:**

Demand and Capacity  
Solutions

**Duration / Location:** 12 weeks / Brazil

**Area:** Maintenance Substation

## Company/Lab Description:

**Iberdrola is a multinational group leading the energy sector:** the company produces and supplies electricity to some 100 million people in the countries in which it operates. Furthermore, **the company has become the leader in clean energy** — Iberdrola is the first renewable producer amongst European utilities and the cleanest power company in the USA, with almost zero emissions—, **it is pioneering the rollout of smart grids and has an energy storage capacity in excess of 4 GW.** In anticipation of the energy transition, Iberdrola has committed to sustainable solutions that require greater **electrification of the global economy:** more clean energy, more storage capacity, more backup power, more and smarter grids, and **more digitization.** **Neoenergia**, part of Iberdrola Group, **is a Brazilian electricity company**, leader in Latin America and the biggest Brazilian distribution company (considering the numbers of clients), it serves more the 13 millions clients in five different states (São Paulo, Mato Grosso do Sul, Bahia, Recife e Rio Grande do Norte), across its 585,000 km<sup>2</sup> concession area.

## Project Description and Goals:

The project consists in the development of a software/tools. The software will be able to integrate the data produced to the ON line monitors installed on the substation equipment, allow the creations of mathematics tolls, A.I (Artificial Intelligence). This technology will be capable of generating diagnoses and prognoses by streamlining decision-making.

- Increase the reliability and the continuity of the power supply, using the diagnostics in real time
- Optimization the maintenance resources provided by the increase of availability of the substation.
- Increase the life cycle of the substations assets
- Saving costs on the management of maintenance process, saving in the insurance policy.

**Intern Role Description:** Involvement in strategic projects, ensuring improvements in quality and efficiency process.

**Profile: Skills & Experience Pre-required:** Business Administration Degree/Engineer in progress, Microsoft Office, Fluent in English and / or Spanish, Systemic vision, Innovation, logic and reasoning, organization, problem solving, database programming, fast learner.