

## ELECTRICAL SYSTEMS COMMISSIONING AND START-UP SERVICES.

Once concluded the assembly of any electrical system, the next step will be **starting up**, which is the previous step before begin operating.

The purpose of this phase is to ensure that the assembled system corresponds to the system designed, so that there will be no “surprises” when normally operating.



The **start-up** of these electrical systems is frequently performed by the same company which has installed it. This procedure does not offer the necessary guarantees to protect the owner's interests.

To contract an independent organization to perform the start-up is a protection of the owner's interests.

A rigorous **start-up** must consist of the following steps:

- **A revision of the project.**
- **Check up of components.**
- **Cable testing.**
- **Functional testing in de-energized state.**
- **Operational testing in energized state.**



The data gathered from these steps is an excellent beginning to assure a breakdown-free functioning, with exception of unusual situations. It is also the best initial step to evaluate future maintenance plans.



The personnel of S.T.&M.'s technical department has vast experience in these operations, acquired through many working hours.