

ELTMAN has a team of Senior Engineers and Consultants that allows elaboration of Engineering and Technical Advisory studies in several areas, such as: studies of economical viability for Hydroelectric Power Plants, protection systems selectivity studies, short circuit calculations, load-flow, stability and overvoltages for power systems, starting of large motors, among others.

ELTMAN has a team of Senior Engineers and Consultants that is able to elaborate engineering studies and technical advisory and they can offer services that are listed below:

Studies:

- Short Circuit;
- Load flow;
- Harmonic filters modeling to industries;
- Cos fi correction;
- Generator protections, transmission lines and industry system adjustments;
- Synchronous generators stability;
- Transitory Restablishment voltage verification to Circuit Breakers;
- High Extra voltage (345 kV, 440 kV, 500 kV) of transmission lines energization;
- High Extra voltage of transmission lines restarted;
- Power Transformers energization.

### **Technical Advisory:**

- Industrial installation, substations and hydroelectrical power plants mechanics and spinning condition survey;
- Control and Supervision systems Diagnosis;
- Communication Protocols development;
- Software development;
- Intelligent highway systems;
- Security and Supervision Systems;
- Systems and Equipments technical analysis;