

**FIRST Consultation, Environment and Calibration
Consultation and Training Department
Technical Safety Division**

Process Safety Management Sub-Division:

- Hazard and Operability (HAZOP) Studies
- Hazard Identification (HAZID) and Hazard Analysis (HAZAN)
- Hazardous Area Classification (HAC) and Zoning Study
- ATEX Study
- Layer of Protection Analysis (LOPA)
- Quantitative Risk Assessment (QRA)
- Qualitative Risk Assessment
- Failure Mode & Effect Analysis (FMEA)
- What if Analysis
- Systematic What If Technique (SWIFT) Study
- Fault Tree Analysis (FTA) Study
- Event Tree Analysis (ETA) Study
- Cause-Consequences Analysis
- Maintenance and Operability study (MOP)
- Process Hazard Analysis (PHA)
- Piping and Instrumentation Diagram (P&ID)
- Process Flow Diagram (PFD)
- Checklist Analysis

Electrical Safety and Power System Sub-division:

- Flash Hazard Studies
- Short Circuit Studies
- Coordination (Selectivity) Studies

Fire System Sub-Division:

- Fire Protection System Design and Installation

Occupational Safety and Health:

- Risk Assessment
- Job Hazard Analysis (JHA)
- Machine Risk Assessment

Our Main Clients:

- 1- Procter and Gamble – October 6 Site (Diaper Manufacturing)
- 2- Procter and Gamble – Cairo Site (Fabric and Home Care)
- 3- Pfizer Egypt – Medicine Manufacturing
- 4- Mass Food Egypt – Food Manufacturing
- 5- Medical Union Pharmaceutical

