



External Training Course

Maintain Instrumented Protection Systems (IPS)

From 28 Jan. To 01 Feb. 2024
From 25 Feb. To 29 Feb. 2024
From 28 Apr. To 02 May 2024

Cairo Marriott Hotel & Omar Khayyam Casino, Egypt

Mr. Ghanem F. Al-Otaibi
GM & Institute Owner

☛ **Tel.: 00965 22248901**

☛ **Mob.: 00965 65548855**

☛ **Email: admin@agi-kw.com**

☛ **Fax: 00965 22204999**

☛ **Mob.: 00965 97273712**

☛ **Email: agi-kw@hotmail.com**

W/SITE: WWW.AGI-KW.COM

External Training Course:

Maintain Instrumented Protection Systems (IPS)

From 28 Jan. To 01 Feb. 2024

Fees: 4250 \$

From 25 Feb. To 29 Feb. 2024

Fees: 4250 \$

From 28 Apr. To 02 May 2024

Fees: 4250 \$

Course Overview:

This course is designed for professionals involved in the maintenance and management of Instrumented Protection Systems (IPS) within industrial settings such as chemical plants, refineries, and manufacturing facilities. Participants will gain comprehensive knowledge and hands-on skills in the maintenance, troubleshooting, and optimization of IPS to ensure the safety and reliability of critical processes.

Course Details & Agenda:

Introduction to Instrumented Protection Systems:

- Overview of IPS and their crucial role in industrial safety.
- Understanding regulatory standards and compliance requirements.
- Importance of IPS in preventing and mitigating process-related incidents.

Components of IPS:

- In-depth examination of various IPS components (sensors, logic solvers, final elements).
- Functionality and maintenance requirements of each component.
- Integration and communication protocols within IPS.

Maintenance Strategies:

- Developing proactive maintenance plans for IPS.
- Predictive maintenance techniques for early issue detection.
- Reliability-centered maintenance (RCM) principles.

Troubleshooting and Diagnostics:

- Techniques for identifying and diagnosing IPS malfunctions.
- Root cause analysis of common IPS failures.
- Implementing effective troubleshooting protocols.

Calibration and Testing:

- Importance of accurate calibration in IPS.
- Procedures for calibrating sensors, testing logic solvers, and validating final elements.
- Calibration tools and equipment.

Regulatory Compliance and Documentation:

- Ensuring IPS compliance with relevant industry standards.
- Documentation requirements for IPS maintenance activities.
- Auditing and reporting for regulatory agencies.

With Best Regards From American Global Institute (AGI)