
Vision

Stakeholders join to form a collaborative network to:

- Benchmark current performance of instrumentation and controls in process industry applications.
- Define a common taxonomy to support consistent collection of quality data from maintenance and proof test activities.
- Share lessons learned in improving instrumentation and controls reliability.

Mission

To share historical information and lessons learned in order to minimize environmental harm, improve industry safety, maximize asset performance and reduce maintenance costs through better lifecycle management of instrumentation and controls applied in the process industry.

Contact

For more information on IRN, contact:

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Established in 1995 and headquartered in the Jack E. Brown Engineering Building, the Mary Kay O'Connor Process Safety Center is dedicated to enhancing safety in the chemical process industry.

The Center conducts various educational endeavors aimed at “**making safety second nature**” to everyone in the industry. In addition, Center researchers work to develop safer processes, equipment, procedures and management strategies to minimize losses.

The Center also serves as an information resource base for process safety, acting as a library and software laboratory. The Center provides consultation for small and medium enterprises, government agencies, institutions, local emergency planning committees and other agencies.

In March 2013, Texas A&M University at Qatar signed an agreement recently to bring an extension of Texas-based Mary Kay O'Connor Process Safety Center to Doha, Qatar.

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**MARY KAY O'CONNOR
PROCESS SAFETY CENTER**
TEXAS A&M ENGINEERING EXPERIMENT STATION

Instrument Reliability Network

Sponsored by:

**Mary Kay O'Connor
Process Safety Center**

THE NETWORK

What is IRN?

The IRN is a network of companies interested in developing common tools and methods for collecting quality instrument reliability data. The key problem today is the lack of a comprehensive instrument taxonomy for use by field personnel.

Why is it important?

Decisions are being made on automation projects based on assumed failure data rather than in-service performance. It takes a lot of data to get statistically meaningful results. The wide range of instrumentation currently in existence makes this task difficult for one company to manage alone. One common database with many contributors is sustainable.

Who should be involved?

Everyone is welcome—one common harmonized international approach to get data we can trust.

Stakeholders

- Process Sector Users
- Equipment and Software Suppliers
- Engineering Contractors
- Service Providers
- Industry Organizations

HOW TO PARTICIPATE

DATA

Companies contribute event data to the IRN. The data is anonymized using the MKOPSC established protocols. Companies that contribute data will have access to the compiled raw data. Access to this database will be limited to only the contributing companies.

COMMITTEES

Representatives from member companies who choose to support this effort by contributing their time to committee work will have access to reports of the analyzed data.

DONOR

Gifts generously donated will be used to establish the Instrument Reliability Network Endowment. Distributions from this endowment will be used to support the IRN. It is the intent of these gifts to be used in support of activities of the Mary Kay O'Connor Process Safety Center as it relates to the IRN objectives.

Checks should be made payable to the **Texas A&M Foundation** and sent to Valerie Green (see back for mailing address). The Foundation is a 501(c)(3) organization under IRS guidelines and is charged with soliciting, receiving, investing, and disbursing private gifts which benefit the University.

Connect with the IRN online!

IRN Website: <https://irn.tamu.edu>
LinkedIn Group: "Instrument Reliability Network"

COMMITTEES

IRN Board

- Reviews annual budgets for the IRN based on funding level
- Approves projects proposed by the Technical Steering Committee
- Recommends projects to the Technical Steering Committee

Technical Steering Committee

- Supports the annual IRN conference on the Texas A&M University campus
- Develops the taxonomy for data collection through harmonization of various international efforts
- Develops a means to benchmark instrument reliability
- Recommends methods and practices to ensure data quality

Membership

Members should be recognized by their affiliated company as having the capacity to represent company philosophy, processes and needs.

Meetings

Members can participate in the summer Technical Steering Committee meeting, the IRN Symposium each January, and periodic web conferences conducted to support the various projects.

Goals and Priorities

Priorities will be established based on results of industry surveys and workshops.