Introduction

60 years experience in nuclear markets

6 divisions
1000 employees
14 facilities

Best-in-Class
NFMS and RMS products

About Myself

• 10 years experience in nuclear industry
• Team leader at Mirion in Munich, Germany
Situation at Customer Site

• Most research reactors were commissioned in the 1950s - 1960s

• Now – System:
  • High costs to maintain systems (time, spare parts, human resources)
  • High efforts necessary to make measurements reliable – needs specialized staff on site
  • High efforts for adjustment of measurements

• Now – Environment:
  • Slight advancements in information technology
  • Different control systems
  • Change in nuclear regulations and standards
  • Advancements in (nuclear) safety systems
  • Government budget are tighter on nuclear
  • Availability of trained engineers
How does a lobster grow?
Our proTK™ for Neutron Flux Monitoring Systems combines long term experience in design and manufacturing of both detectors and signal processing electronics.

This equipment has the highest level of safety relevance and reliability and is qualified by several type tests and field-proven by excellent operational experience.

**Main characteristics proTK™ digital systems:**

- Modular, multi-microprocessor system → Simple and clear
- Cycle time of signal processing starting with 5 ms → Fast
- Low heat C-MOS technology → Safe
- Software fixed in EPROM, efficient self monitoring → Reliable
- Remote signal generators and signal simulation → Testable
- Qualified according to KTA 3501/3505, IEC 60880 → Type tested
Ask our customers

**Big wins**

- Refurbishment at HOR / TU Delft (Netherlands)
- Modernization NFMS in 4 Belgian NPPs
- Increasing installation base in research reactors

**White paper Replacement of the Neutron Flux Measurement System (NFMS) at four Belgian Power Plants**

The maintainability is excellent; the quarterly periodical tests can now be executed within a short time

(...) The project manager at Doel expressed his satisfaction with the new operational NFMS.

Mirion NFMS products are present in many new and modernized RRs!
Thank You!

MIRION LOOKS FORWARD TO WORKING WITH YOU.

My contact information

Isabelle GÜLDNER
Team Leader Sales & Project Management

E-Mail: igueldner@mirion.com
Tel: +49 (0)89 51513-181
Mobile: +49 (0)152 09063978

Mirion Technologies (MGPI H&B) GmbH
Landsberger Str. 328a, 80687 Munich, Germany