



OUTOTEC® ON-STREAM ANALYZERS TRAINING

Outotec On-stream Analyzers give vital feedback about the flotation and milling processes. The control of these processes is based on particle size and elemental analysis. For reliable results from these instruments, it is important that the operators are able to use the equipment correctly, maintain it properly, and keep up the calibration of the equipment. This is why Outotec provides training for operators, maintenance staff, and metallurgists about the analyzers in a defined modular scope that best suits the tasks and interests of each personnel group. Correct operation gives you the best return on your investment by maximizing the accuracy and minimizing the analyzer downtime.

BENEFITS

- Improved efficiency
- Improved safety of operation
- Reduced downtime
- Improved accuracy
- Increased equipment lifetime

TRAINING FOR COURIER® ANALYZERS:

INTRODUCTION AND OPERATION MODULE

- 2 day course
- Basic course for everyone who works with Courier analyzer
- Education of analyzer system and operation
- Safety of operation emphasized

CALIBRATION MODULE

- 1 day course
- Course for metallurgists and engineers who are following the analysis
- Introduces calibration in theory
- Practical calibration of analyzer with Outocal

BASIC MAINTENANCE MODULE

- 1 day course
- Course for concentrator's maintenance staff
- Includes education to typical maintenance tasks and troubleshooting
- Consists of theoretical and practical training

ADVANCED MAINTENANCE MODULE

- 2 day course
- Includes Basic maintenance module
- For experienced technicians who want to increase their knowledge of Courier analyzer
- Course arranged only at Outotec facilities

TRAINING FOR PSI® 300 AND PSI® 500 ANALYZERS:

INTRODUCTION AND OPERATION MODULE

- 1 day course
- Basic course for everyone who works with PSI analyzer
- Education of analyzer system and operation
- Safety of operation emphasized

BASIC MAINTENANCE MODULE

- 1 day course
- Course for concentrator's maintenance staff
- Educates typical maintenance tasks and troubleshooting
- Consists of theoretical and practical training

CALIBRATION MODULE

- 1 day course
- Course for metallurgists and engineers who are following the analysis
- Introduces calibration in theory
- Practical calibration of analyzer

By combining the different training modules a suitable course entity can be compiled according to installed equipment on site as well as training needs for certain employee group. Outotec Services delivers the course at your site so that you can get the best out of your on-stream analyzer as well as get familiarized with the site-specific configurations that have been made to the analyzer system. Our service center can give you further advice about the contents and arrangements of the course.

Virtual Experience Training

In addition to equipment training, Outotec offers Virtual Experience Training for Concentrator plant operators. It provides our customers a fast and effective way to train their personnel in a simulated virtual training environment. The training environment provides operators with a safe and controlled manner of studying process dynamics, process equipment and control systems. The training includes readymade scenarios simulating real-life situations, such as equipment failures and process start-up and shut-down sequences.