

*Flowserve Educational Services provides companies around the world with a wide range of innovative programs focused on helping plant operators, reliability engineers and maintenance personnel deepen their understanding of pumping systems. Training programs from Flowserve are ideal for organizations aiming to achieve:*

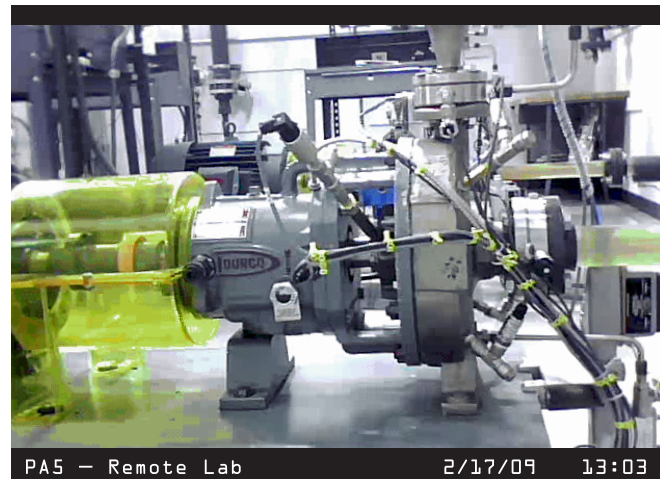
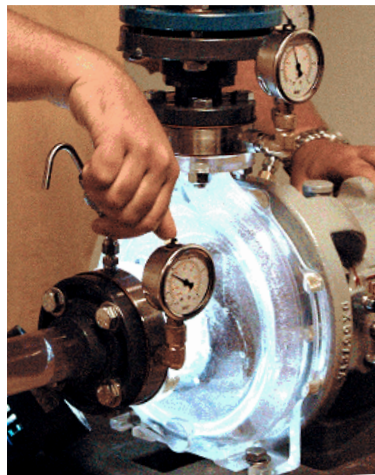
- *Maximized plant asset availability and equipment reliability*
- *Increased mean time between repair (MTBR)*
- *Workforce development for increasing proficiency in the installation, maintenance and repair of pumping equipment and systems*

### **Flexible Programs to Meet Any Need**

Whether customers require basic training or customized programs, Flowserve offers an unparalleled global network of training experts and facilities to accommodate any request. Customers can choose the location, course content and program formats that optimize the use of human and financial resources and deliver the most effective results.

### **On-site Customer Training**

Flowserve Educational Services provides the design, development and delivery of training tailored specifically around the people, equipment and processes at a customer's location. Unlike off-the-shelf solutions, trainers and instructional designers deliver individualized instruction on the concepts, processes and equipment needed to maximize employee performance in the customer's environment. To optimize learning experience, on-site training is supported by use of remote hydraulic lab technology and portable acrylic pump systems.



Technical Services

LifeCycle Advantage™

**EDUCATIONAL SERVICES**

Consulting

Technology Advantage™



**Learning Resource Centers**

Flowserve has committed to the construction and support of the pumping industry's largest and most sophisticated network of Learning Resource Centers. These state-of-the-art facilities ensure participants receive a balanced combination of hands-on training and operating theory.

**Available Course Offerings**

A comprehensive catalog of technical and maintenance courses provides plant engineers, operators, reliability experts and maintenance technicians with the training they need on the equipment they use every day – on location or at Flowserve Learning Resource Centers. The available course offerings are designed to satisfy training requirements of the following groups:

- Reliability Personnel (RP)
- Operations Personnel (OP)
- Maintenance Personnel (MP)
- Engineering Personnel (EP)



**FLOWSERVE EDUCATIONAL SERVICES COURSE OFFERINGS AND LOCATIONS**

Course Description	Type	Available On-Site at Customer Location	Flowserve Facilities				Typical Attendee
			Essen, Germany	Irving, Texas, USA	Singapore	Suzhou, China	
Centrifugal Pump Fundamentals	Standard	x	x	x	x	x	RP / EP
Mechanical Seal Fundamentals	Standard	x	x	x	x	x	RP / EP
Pump and Mechanical Seal Principles	Standard	x	x	x	x	x	OP / MP
Pump and Seal Reliability	Standard	x	x	x	x	x	OP / MP
Single Stage Pump Repair	Standard	x (2)	x	x	x	x	MP / RP
Multistage Pump Repair	Standard	x (2)		x		x	MP / RP
Root Cause Analysis	Standard	x	x	x	x	x	ALL
Pump System Analysis	Standard	x	x	x	x	x	RP / EP
Vibration - Category 1 Training	Standard	x	x	x	x	x	MP / RP
Vibration - Category 2 Training	Standard	x	x	x	x	x	MP / RP
Vibration - Category 3 Training	Standard	x	x	x	x	x	MP / RP
Pump and Seals Training for Operators	Standard	x					OP
Troubleshooting and Operation for Maintenance Staff	Custom (1)	x					MP / RP
Product Training	Custom (1)	x					Custom
Decoking	Custom (1)	x					Custom
Ebullators	Custom (1)	x					Custom

1. Customized depending on available customer equipment  
 2. Requires customer equipment for hands-on training

**Getting Started**

To register for courses or to arrange a training needs assessment, contact a Flowserve Regional Training Coordinator or local Flowserve representative.

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