TECHNICAL
EDUCATION
ACADEMY

Школа инжиниринга

ПРОГРАММА КУРСА

000131

MECH027 - Компрессорные системы - проектирование и спецификация механической системы

Compressors play a very essential role in many petrochemical and industrial plants.



Учись у Лучших в Своем Деле!

О программе

Продвинутый уровень

Зачем этот курс

Compressors play a very essential role in many petrochemical and industrial plants. Centrifugal compressors in general runs at very high speeds and are exposed to high temperature. The compressor operation is confined between the surge and stonewall limits. The compressor performance also is affected by the variation in operating conditions. Elevated temperature and large centrifugal stresses make the gas turbine operating under very critical conditions requires very complicated monitoring and protection systems. Accurate instrumentation, monitoring, troubleshooting and maintenance programs are essential for maintaining and increasing the available time of the machines. Understanding and learning Centrifugal compressors more deeply help smooth and free trouble operation.

This 5-day, specialized level course is for facility design engineers, operations engineers, and technicians seeking an in-depth understanding of centrifugal, reciprocating, and screw compressors. This course provides basic knowledge of compressor types and associated auxiliary systems, mechanical design of equipment, operating and performance characteristics, control and monitoring systems, maintenance practices, and codes and standards.

Для кого и в чём польза

Mechanical, facilities, plant, or pipeline engineers and technicians needing an in-depth understanding of the different types of compressors

Чему вы научитесь

- How to apply thermodynamics to compressor performance and operating characteristics
- How to size, specify, and select compressors
- Compressor auxiliary systems
- Series and parallel application of compressors
- How to integrate compressor systems into process facilities used in the oil and gas industry
- How to use state-of-the-art monitor and control devices in the operation, maintenance, and troubleshooting of compression systems
- How to apply maintenance practices to improve compressor reliability
- Shop and field performance testing
- Compressor economics including OPEX vs. CAPEX considerations

Участие и контакты

Участие в программе

Чтобы уточнить даты, формат проведения, стоимость и условия участия, обратитесь в Академию и укажите код курса 000131.

Обучение для команды

При обращении укажите задачи предприятия, должности участников, размер группы, предпочтительные сроки и место проведения. Эти сведения помогут обсудить подходящий вариант обучения.

Подготовка к участию

В исходной программе предварительные квалификационные требования не указаны. Необходимую подготовку можно уточнить перед записью.

Обсудить обучение

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Учись у Лучших в Своем Деле!