

EXPLOSION PROOF EQUIPMENT TRAINING



TARGET GROUP

The course is intended for Electrical Training Officers to improve skills in safe operation, maintenance and fault finding of explosion proof equipment according to requirements.

INCOME REQUIREMENTS:



The course is open for Junior and Senior Engineer Officers and ETOs.



OBJECTIVES OF THE COURSE

A trainee successfully completing the course will be able to:

- Identify explosion proof equipment.
- Choose correct type of Explosion Proof equipment according to risk environment
- Know construction principles of explosion energy minimization.
- Understand, evaluate and troubleshoot explosion proof equipment.
- Perform safe operation and maintenance.
- Perform necessary checks.



COURSE CONTENTS

The Training course covers the following topics:

- Nature of electrical accidents
- Electrical standards and regulations
- Hazardous area classification and explosion prevention
- Ex. proof equipment
 - Identification
 - Classification
 - Documentation
 - Labels
 - Conformity to Standards
- Construction
 - Enclosures
 - Modifications
 - Protection methods
- Inspection
 - Visual inspection
 - Close inspection
 - Detailed inspection
- Maintenance and Operation
 - Environment conditions
 - Enclosures
 - Sealings
 - Connections
 - Equipment elements
 - Compliance with standards
- Installation
 - Cables and wires
 - Earthing
 - Sealing plugs
 - Integrity and condition.
 - Environment factors
 - Risks to the allocated zones
 - Equipment selection
 - Storage and transportation

Note: theoretical and practical exercises are conducted through Novikontas Webinar Training System.