

# Hydraulic Roughneck 1899

The course gives an understanding of the functions of the HMM hydraulic roughneck (HRN), how to operate the machine and perform first line maintenance. This course will cover all options available for the HRN 1899, including:

- Automatic operation (sequence) from operator chair and radio remote control panel
- Two grip torque wrench
- Three grip torque wrench

## Course goal

The course aims to increase the theoretical understanding of how the HRN 1899 is functioning and how to operate it in a safe manner.

## Course topics

The main topics for the course are:

- HSSE
- Functional description of the machine
- General system understanding
- Operational description
- Technical documentation
- Daily maintenance
- Technical system understanding

**The new HMM HRN design incorporates the efficiency and handling capabilities of the original HMM torque wrench, into a new higher performance tong**

## Course duration

2 days

## Course location

Kristiansand, Norway

## Course capacity

The maximum number of participants is 12.

## Target group

Operators working in relation to the HRN 1899.

## Prerequisite skills and knowledge

The students are expected to have some operational experience.

