

PRESS RELEASE

engcon's new control system meets stricter safety requirements

engcon meets the new international machine safety standards with an entirely new control system: Microprop DC2. The system has been specially developed to meet the new requirements.

"Our aim was to create the safest system on the market," says Roberth Jonsson, project manager at the subsidiary Microprop, which developed Microprop DC2.

On January 1, the safety requirements for control systems were made stricter through the standard EN ISO 13849-1. This machine security standard is now harmonised with the machine directive. The standard has been updated to also include more complex processes, placing stringent requirements on all sections of a control system: inputs, outlets, hydraulics, electronics, software and documentation.

"For us at engcon, these stricter requirements mean that we have developed an entirely new generation of control systems," says Roberth Jonsson.

The result was Microprop DC2 - with its entirely new safety levels, it is significantly different from the traditional control systems that have been on the market for some time. Some obvious improvements are the new hydraulic solution and the increased control safety. The hydraulic system has been expanded with extra valves and pressure monitors to meet the standard's requirements, in order that hydraulic faults can be discovered and dangerous situations are averted. The controls have similar monitoring requirements. In the Microprop DC2, both the thumb wheels and buttons are monitored with additional signals, something which is not standard in traditional control systems.

"Our comprehensive work, plus all the changes involved, have been essential for us to guarantee 100% that engcon's tiltrotators with Microprop DC2 meet the machine directive and create a safer working environment for machine operators," says Roberth Jonsson.

In addition to managing safe control of tiltrotators, the Microprop DC2 also offers track and wheel steering, plus boom control.

Read more about Microprop: www.engcon.com/dc2

More information on the safety standard: www.cen.eu