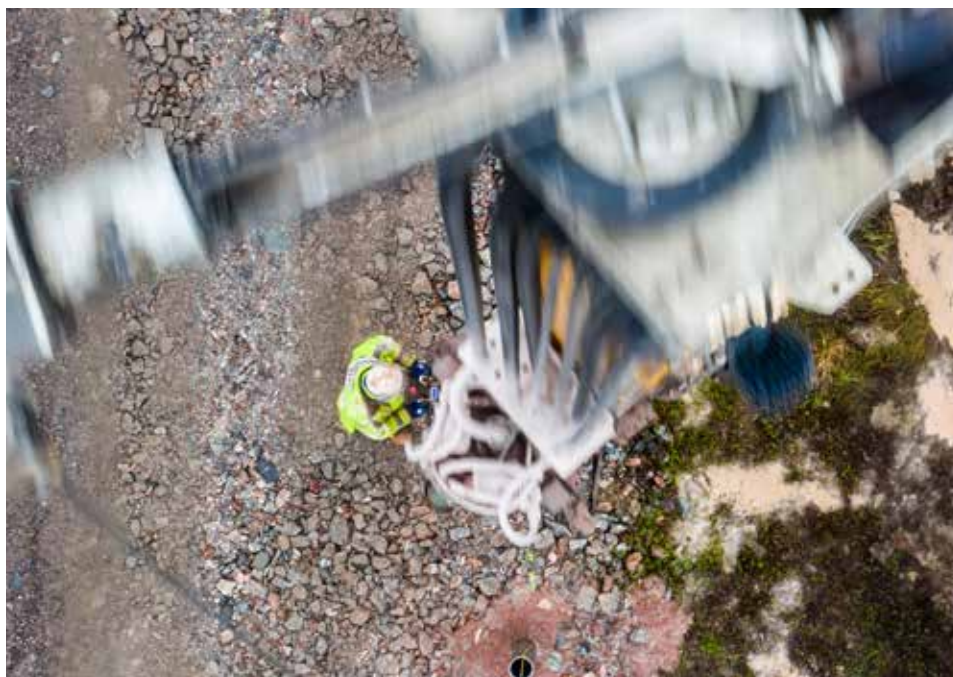


GUIDE: G6 Platform Compliance



Directives and Standards

– what is the difference?

You can think of an EU Directive as an umbrella where the directive describes different requirements that may be covered by harmonized standards. For example, multiple standards can be harmonized under an EU Directive, and by complying with the harmonized standards, you prove that you comply with parts or the whole directive.

PL e

SIL3

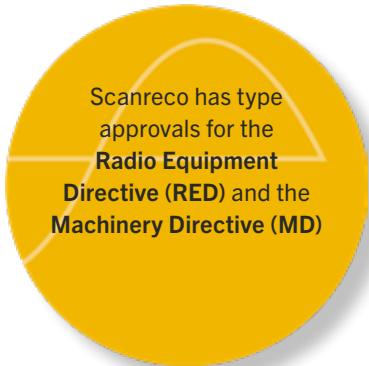
IP65

IP67

EU Directives & Regulations

To simplify the process of showing compliance to the directives many of them have harmonized standards that can be utilized as the presumption of conformity to the directive. For some directives and products, the responsibility of compliance is fully on the manufacturer and for some products, a Notified Body (NB) has to perform the conformity assessment and issue a type approval.

Scanreco has type approvals for both the Radio Equipment Directive (RED) and Machinery Directive (MD). Each harmonized standard may hold several sub-standards that also need to be met to be able to sell the products for that specific use (for example on specific types of machines, regulations regarding bandwidth, work area regulations, etc.).



Scanreco has type approvals for the **Radio Equipment Directive (RED)** and the **Machinery Directive (MD)**



Made for Me G6 Platform

Radio Equipment Directive (RED) RED 2014/53/EU

All equipment containing any radio transmitter fall under the **RED Directive**. This is not limited to the Scanreco remote control only, the entire machine becomes a radio according to the interpretation of the directive.

The RED contains mandatory sub-standards for safe and efficient use of radio equipment:

Low Voltage Directive (LVD):

This directive covers electrical safety aspects so that the products are safe to use and do not cause fires or electrical shocks etc.

Electromagnetic Compatibility (EMC):

Cover both emissions and immunity restriction levels. Emissions, so that the Scanreco product does not interfere with other electronics like a Wi-Fi router or radiate harmful levels to humans. Immunity, so that other electronics and transmitters do not interfere with Scanreco products and cause any unexpected behavior.

Machinery Directive MD 2006/42/EC

The **Machinery Directive** mainly contains mandatory requirements on functional safety for all types of machines where control systems of machines are included. It puts a common safety level for each type of machine that is placed on the EU market.

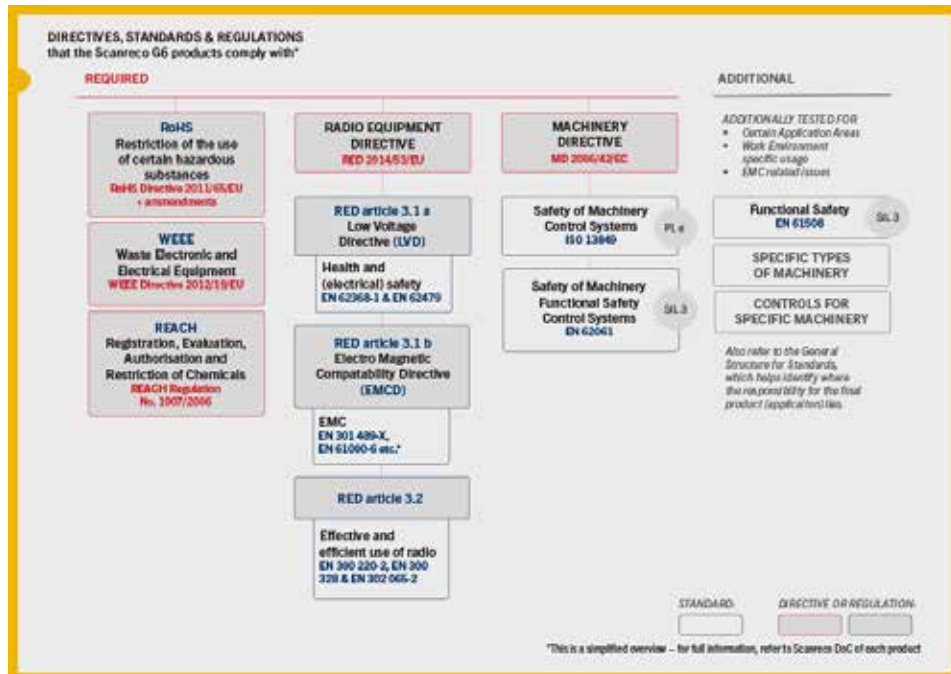
For the **functional safety** aspects, remember the safety standards we talked about earlier, IEC 61508 SIL 3 (that is part of the additional standards that the G6 products have been tested against) and ISO 13849 PL e, which are included in this directive.

Additional standards that the G6 Platform has been tested against

At Scanreco, we take safety and functionality even further and have tested the G6 Platform against several additional standards related to **functional safety**.

Functional and Electrical safety

In conclusion, the directives and standards that our G6 products comply with, **ensure functional and electrical safety and health for the operator and surrounding persons, with minimum impact on the environment** (including both disturbances to other machines, buildings, etc, and sustainability/ecology).



Declaration of Conformities (DoC) available from your Scanreco point of contact!

