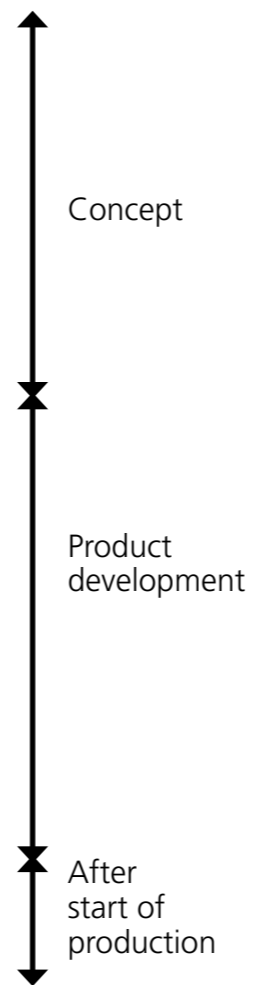
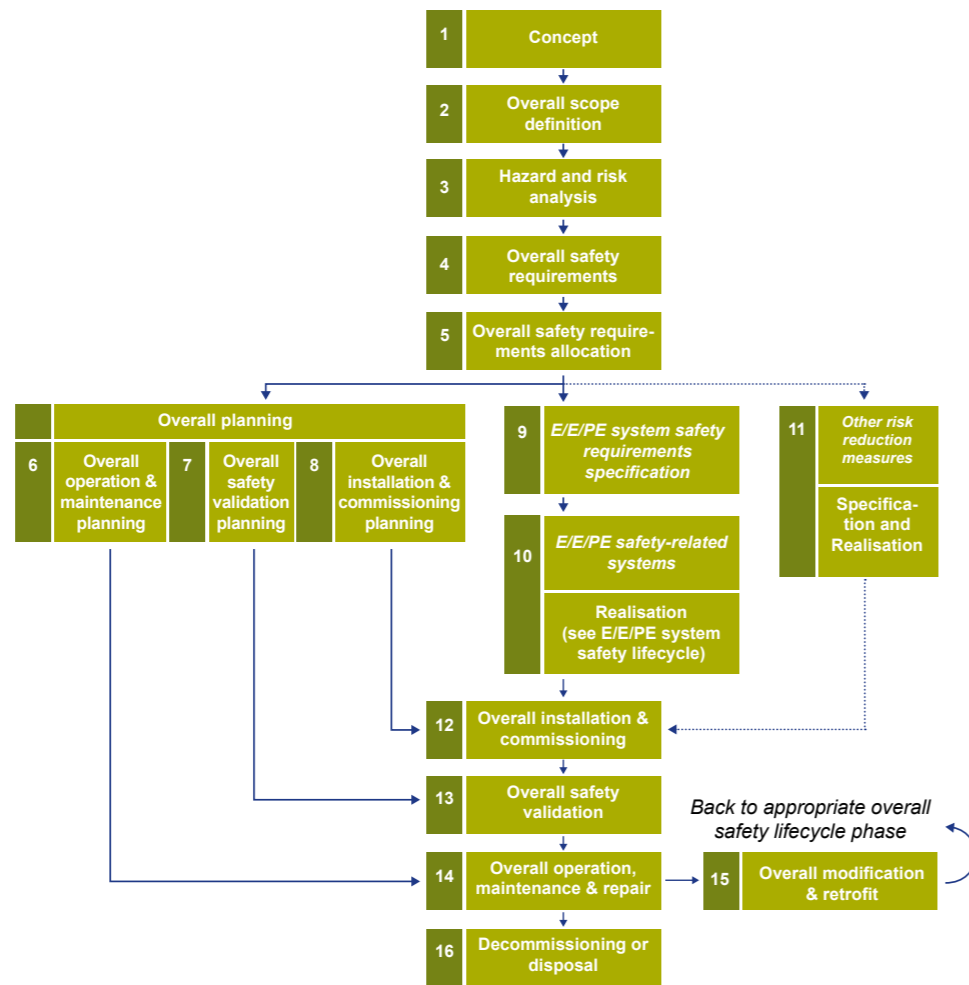
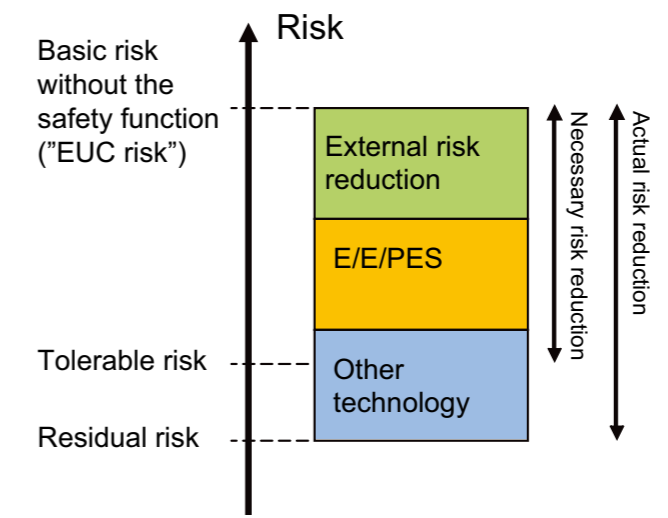


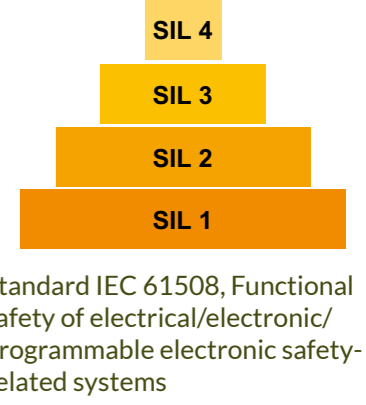
## Overall safety lifecycle



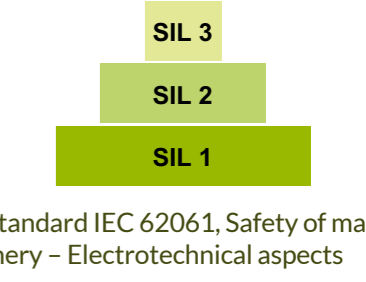
## Risk reduction



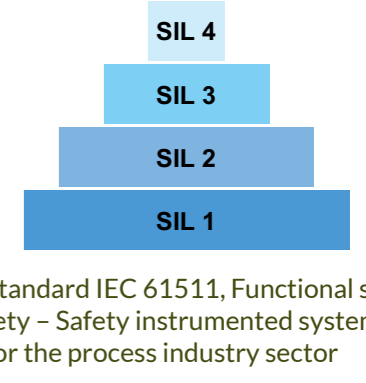
## Electrical/electronic/programmable electronic systems



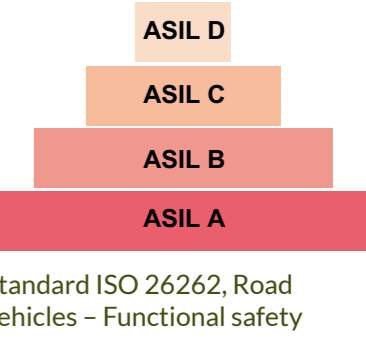
## Safety of machinery



## Process industry



## Road vehicles



### Functional safety

Functional safety is the part of the overall safety that depends on a system or equipment operating correctly in response to its inputs.

### Safety function

Function to be implemented by an E/E/PE (Electrical/electronic/programmable electronic) safety-related system or other risk reduction measures, that is intended to achieve or maintain a safe state for the EUC (Equipment under control), in respect of a specific hazardous event.

### Safety integrity level (SIL)

A discrete level (one out of a possible four), corresponding to a range of safety integrity values, where safety integrity level 4 has the highest level of safety integrity and safety integrity level 1 has the lowest.

### Functional safety assessment

An investigation, based on evidence, to judge the functional safety achieved by one or more E/E/PE safety-related systems and/or other risk reduction measures.

According to IEC and the standard IEC 61508

### More information

[www.iec.ch/functionalsafety](http://www.iec.ch/functionalsafety)  
(the web site of the International Electrotechnical Commission for functional safety)

[www.ri.se](http://www.ri.se)

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## Qualitative assignment of SIL to a safety function

