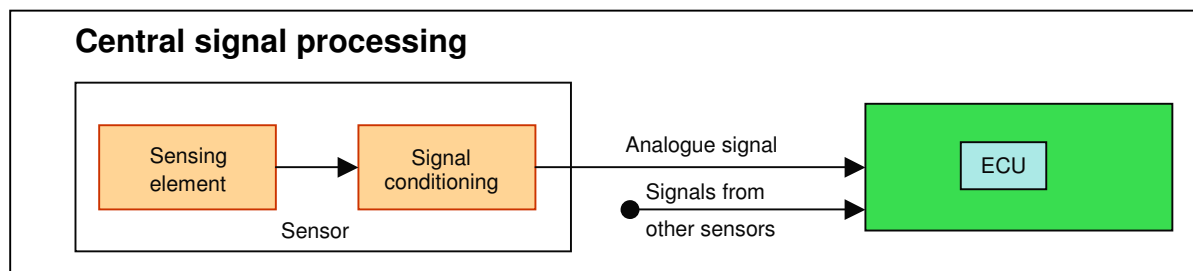


Distributed Intelligence:

Local processing of sensor signals is the first necessary step towards functional safety

Central processing of sensor signals by a control unit requires cumbersome calibration of each sensor by this unit, thus increasing drastically its complexity and making serviceability of the sensor very difficult. Since the diagnostics possibilities of the sensor are poor, such architectures are not suitable for safety critical applications which require functional safety.



Local processing of sensor signals reduces the complexity of the control unit. Each sensing system module is fully calibrated enabling its serviceability, providing full diagnostics and improved data transmission.

