



Easing the Wiring Burden Inside the Control Cabinet

Build it in.



The technical and commercial flexibility of a machine, in addition to machine efficiency, high availability and exceptional performance, give businesses the competitive edge required in tomorrow's global market.

One of the cornerstones to fulfil these requirements is easing the wiring burden inside the machine's control cabinet, in terms of time taken and associate costs for wiring, which in turn improves commissioning and flexibility. Although industrial fieldbus systems have replaced conventional wiring in modern applications, in practice, the costs involved to bring this inside the control cabinet are high and, in most cases, the full functionality is unnecessary. It is a challenge to know how to simplify the point-to-point wiring specifically with in-panel applications and that's why trusted partners are vital.

Please read the summary of the white paper on the next page.



Powering Business Worldwide



The whitepaper by Heribert Einwig, Product Manager at Eaton, is an essential read for those looking to reduce the financial burden of wiring and commissioning machines. Adopting an intelligent wiring and communication technology enables machine builders to develop advanced, reliable machines that can flexibly adapt to the requirements of your customers. Advanced intelligence enabling predictive maintenance and more detailed information about the machine's performance are additional benefits that can be passed on to the customer. For machine building companies operating on a global scale, knowing that they can build them faster and with a smaller footprint while being able to offer machine variants at a better price, makes a business more profitable.

Several examples outlining how this intelligent wiring and communication technology is already being applied, as well as real-world calculations explaining how, by eliminating long wiring runs, production costs for wiring, testing and commissioning can be reduced by up to 85% are provided.

Most notably, engineering costs for the basic design and any upcoming change requested by the customer may be reduced.

If 'Smart Factory' concepts are to be realized successfully – when the product being manufactured tells the machine how, where and by whom it is to be made – an intelligent wiring and communication technology that promotes seamless data exchange from simple components up to the ERP system certainly opens the door to Industry 4.0.

Ultimately, machine builders that design simple, yet efficient machines with intelligence onboard in collaborative and cost-effective partnerships benefit from overall business success.

To learn how by adopting an intelligent wiring and communication technology profitability can be improved and machine flexibility enhanced, please download the whitepaper [here](#).

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