

## EAO Appears on OEM Off-Highway Podcast to Discuss the Importance of Functional Safety

*Program shares insights on design considerations, safety integrity levels, and system reliability for Off-Highway vehicles*



SHELTON, Conn., March 2025 – EAO, a leading expert in Human Machine Interfaces (HMI), is featured on the latest episode of the OEM Off-Highway podcast for an in-depth discussion on functional safety in Off-Highway vehicle design.

On the episode, Michael Schankin, head of creation/engineering, EAO Automotive, explores what functional safety is and why it's critical in the development of Off-Highway vehicles. He shares expert insights on the role of functional safety in protecting both operators and equipment, as well as how it influences design decisions. Topics covered include the pros and cons of data buses, the significance of safety integrity levels (SILs), and the evolving regulatory landscape.

“Functional safety ensures that systems operate as intended and fail in a predictable and safe manner,” said Schankin. “For Off-Highway vehicles, where operators often work in demanding environments, integrating functional safety into design is essential.”

The conversation offers valuable information for OEMs, engineers, and industry professionals seeking to better understand functional safety requirements and best practices.

The podcast, titled *The Importance of Functional Safety for Off-Highway Vehicles*, is available now. Listen here: [OEM Off-Highway Podcast](#).

### **About EAO:**

EAO Corporation is a global technology leader and manufacturer of Human Machine Interface (HMI) Components and Systems. EAO serves a wide range of industries, including the transportation, machinery, heavy duty and specialty vehicle, lifting and moving, medical, and automotive markets. EAO Corporation offers intuitive development skills, global manufacturing capabilities, worldwide supply chains, and superior project and consultation management that result in complete, innovative HMI Components and Systems. HMI Components include innovative and award-winning pushbuttons, indicators, emergency stop switches, rotary selectors, keylocks, CAN or LIN-based products, and more. All EAO products meet the required international ratings and approvals and are manufactured under the important ISO quality requirements within a sustainable environmental policy.

With more than 600 employees worldwide, EAO Corporation is headquartered in Olten, Switzerland. It has production facilities in North America, Europe, and Asia, as well as 10 wholly owned international sales companies and distributors in more than 50 countries. For more information, please visit [www.eao.com](http://www.eao.com) or contact EAO Corporation at 203-951-4600 and [sales.eus@eao.com](mailto:sales.eus@eao.com)

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