



PRESS RELEASE

Artesyn and Lab To Market Collaborate to Bring SIL4 COTS ControlSafe™ Platforms for Train Control and Rail Signaling to Indian Market

Tempe, Ariz. [16 November, 2017] — Artesyn Embedded Technologies, a global leader in highly reliable and available embedded computer systems, today announced a collaboration with Lab To Market Innovations Pvt Ltd, an Innovations development company incubated at the prestigious Indian Institute of Science, to bring the ControlSafe™ portfolio of rail computing platforms to the Indian railways market.

Artesyn's ControlSafe portfolio includes the [ControlSafe Platform](#), ControlSafe [Expansion Box Platform](#), ControlSafe [Carborne Platform](#) and the ControlSafe [Compact Carborne Platform](#). They are designed to enable rail system integrators to accelerate time-to-market and reduce the cost and risk of developing or upgrading train control and rail signaling applications. By leveraging a SIL4 COTS fail-safe and fault-tolerant computing platform, railway technology companies can focus on their value-added offering and final certification for end solutions.

"The ControlSafe portfolio is designed for a wide range of onboard and wayside applications and is already saving integrators years of time-to-market and millions in development costs all over the world," said Qianqian Shao, product manager, Artesyn Embedded Technologies. "We have selected Lab To Market for its entrepreneurship and experience in the Indian market and this alliance will enable us to jointly tailor solutions for the next generation of India's train control systems and signaling applications."

"India has a world-renowned rail infrastructure carrying over 20 million passengers a day and a growing need for investment into dedicated freight networks," said professor S.K. Sinha, founder and managing director of Lab to Market. "We have assembled a team of some of the best experts in transportation, electronics, embedded systems and business development, backed by the number one university in India for technology and research. Using the ControlSafe platform, with SIL4 certifications, will help us bring this much-

needed infrastructure to reality more quickly, cost effectively and with a reliable development roadmap.”

The first three platforms in Artesyn’s ControlSafe portfolio have been certified to SIL4, while certification is planned for the latest platform to be [announced](#), the ControlSafe Compact Carbone Platform.

[About Lab To Market](#)

Lab to Market’s main business is to develop and license products/solutions to industries with the active involvement of academia. Lab to Market is incubated at the Indian Institute of Science (IISc), Bangalore, and works closely with the faculty of this most prestigious institution, known world over for its world class facilities and research output. Our mission is to develop market-ready and commercially-viable products and solutions from the ‘proof of concept’ and ‘laboratory prototypes’ of academic institutions, research laboratories and similar others.

[About Artesyn Embedded Technologies](#)

Artesyn Embedded Technologies is a global leader in the design and manufacture of highly reliable power conversion and embedded computing solutions for a wide range of industries including communications, computing, consumer electronics, medical, military, aerospace and industrial automation. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective advanced network computing and power conversion solutions. Headquartered in Tempe, Arizona, Artesyn has over 16,000 employees worldwide across ten engineering centers of excellence, four wholly-owned world-class manufacturing facilities, and global sales and support offices.

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