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TOSIBOX® CONNECTIVITY SOLUTION HELPS MACHINE BUILDER IMPROVE RELIABILITY AND UPTIME

Ecoclean Inc., a maker of industrial and automotive cleaning machines provides remote monitoring and diagnostics services on dashboards by using Profinet networks and the secure TOSIBOX® connectivity solution.

Ecoclean's customer, Hugo Benzing LLC manufactures fasteners for the automobile, aerospace, fine mechanical, and electrical industries. The first installation of Ecoclean's new remote support capability was at the Hugo Benzing manufacturing facility in New Hudson, Mich. The plant has a Profinet network, which allowed Ecoclean technicians to remotely connect to the network and clean machines using a self-contained and secure virtual private network (VPN) router, [TOSIBOX® Lock](#). The Finnish leader in secure remote access solutions, [Tosibox](#) has created a patented technology for secure IoT connectivity, remote maintenance and easy network management.

With the Profinet architecture and TOSIBOX®, Ecoclean had a secure VPN connected to the network in minutes, and it required minimal interaction with the customer's IT department. A non-IP protocol was used on top of the Profinet Ethernet layer, making the remote connection implementation easy and secure.

Ecoclean's back office engineering and technical support specialists interact with customers as needed daily. Spare parts and service sales staff take leads from pertinent machine data and automatically sort it, streamlining the ordering and support process.

"Customers find value in the option to have remote support from our machine and process specialists. Interactions with a customer's technicians help expedite troubleshooting and keep uptime to the highest level," says **Aaron Zarembski**, Controls Engineer for Ecoclean.

Ecoclean intends to embed remote service capability into each new capital sale, making the hardware standard and the service contract an option for customers that require high uptime through preventive maintenance and statistical analysis.

"Expectations are high regarding the market opportunities and new business models made possible by connected technologies, especially regarding the Industrial Internet of Things (IIoT). By harnessing data companies can use remote maintenance to improve their operating efficiency and uptime as well as productivity. A better service performance can also improve customer satisfaction. We provide a simple yet secure solution that benefits machine builders worldwide," says **Jarno Limnell**, CEO at Tosibox.

Tosibox has created a patented point-to-point connection between devices with easy and fast extension of networks. The award-winning TOSIBOX® products are used in more than 120 countries. The company's flagship product, TOSIBOX® [Lock 500](#) is especially tailored to machine builders' needs. The Lock 500 is available in EMEA and APAC regions (CE marking) through Tosibox [sales](#) and [distributors](#). The product will become available in North America (FCC & UL markings) soon.



More information

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About Ecoclean

Ecoclean makes a broad array of cleaning equipment from aqueous robotic washers to solvent-based vapor degreasing systems that employ vacuum drying. The parts they clean range in size from engine blocks to components made by small screw machines. A global company with a large installed base in the United States, Mexico, Europe, India, and China, Ecoclean makes systems for parts cleaning and surface treatment applications for industries around the world.

About Tosibox

Tosibox Oy has taken connectivity and made it simple. TOSIBOX® solution is a game changer for secure IoT connectivity, remote maintenance and network management. The award-winning TOSIBOX® products are manufactured in Finland and used in more than 120 countries. www.tosibox.com