

## KINE's Robot Systems are securely managed remotely

TOSIBOX® technology provides secure and powerful remote management system



## KINE

Robot systems are increasing in numbers in the global market every year. KINE provides Robot Systems as a Service to its customers in many industries. The service includes system development, assembly, testing, and deployment along with predictive maintenance technologies increasing overall equipment effectiveness. The systems have life cycle of multiple years and KINE makes sure that they stay up and running with minimal downtime.

## Challenge

Managing systems remotely for fast response time to problems in order to minimize downtime on production needs to be done securely and with ease. In the past, different and separate virtual private network (VPN) tools and connections were used for each system, making it difficult to control remote access privileges and also the systems itself. Finally, modifying customer's firewall settings and setting up additional VPN servers in customer's side is time consuming and sometimes not possible.





## Solution

An encrypted network connection is established with TOSIBOX® between the robot systems and the KINE service desk center. The provided TOSIBOX® connection management tool is not just easy to use, but also very fast, taking less than a minute to make the connection. TOSIBOX® Plug & Go™ solution consists of two small units called the TOSIBOX® Lock and the TOSIBOX® Key. The Lock is an intelligent device to which the remotely used devices are connected. The Key is an intelligent crypto processing device that resembles a widget or a flash drive, and its software is installed on the user's computer using a USB connection. The Lock and the Key create a secure remote connection automatically via Internet. The patented solution formed by the Lock and the Key is compatible with all operators and devices. It does not require a static or a public IP address, firewall openings or port control. The remote connection created with TOSIBOX® is highly reliable and safe.

The Lock is installed in KINE's robot systems and the Key on the service desk computers used for accessing the robot systems remotely. In case of urgent issues, KINE's technicians can also connect to robot systems using their own Keys while they are on the go. TOSIBOX® enables quick and easy troubleshooting remotely, so it is not necessary to be on the robot system's location every time, especially if the robot system is located in another country.

## Benefits:

- Ready-made, reliable solution
- Easy and secure remote connections
- Easier to troubleshoot problems, deploy software updates, and manage systems
- Operator-neutral solution, works with any type of internet connection

### KINE, Kimmo Salonen:

"We chose Tosibox because it was ready-made, reliable, and security audited solution. It enables us to manage all our robot systems remotely, and on the go, improving customer satisfaction when the systems are kept up and running longer."

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