



Case Study

Morita Fire Truck Factory

BACKGROUND

Morita has been developing firefighting technology for over a century. They built the first fire truck of Japan in 1917. Today, Morita is one of the key fire truck manufacturers globally and their Sanda Factory, a 57,000 square meter production site, produces around 700 fire trucks every year.

CHALLENGE

Unlike the traditional car manufacturing process, fire trucks do not move continuously in a production line. Most of the building work happens at a single terminal within the site. There are many trucks in the same terminal at the same time. Due to the size of the factory, it is significantly time-consuming to find how many trucks are in each area and identify & track each truck through the production phase. The production site itself is also a challenging environment as it is full of metal objects.

SOLUTION

In order to tackle this challenge, Morita started proactively looking for asset tracking solutions. After testing a couple of tracking solutions they found Kokusai Kogyo's location-based Bluetooth® solution, powered by Quuppa. The solution includes the on-site installation of Quuppa Locators and each truck has a tag. The system generates real-time data that can be monitored continuously. The employees are now able see how many trucks there are in a certain area and where they are.

The solution provided by Kokusai Kogyo, based on Quuppa technology, proved to be the best match to Morita's requirements;

- + Real-time and high-accuracy location information.
- + High enough accuracy even in challenging environment i.e. large area with high ceilings and full of metal structure.
- + Reasonable infrastructure and low maintenance cost.
- + Possible to extend to other needs in the future.

RESULTS

The solution has exceeded Morita's expectations and helped their fire truck production run much more efficiently. The employees can now locate fire trucks easily as well as monitor and follow them from station to station. This allows them to predict potential delays in production.

NEXT STEPS

Morita plans to develop and find more use cases for the Kokusai Kogyo's solution and Quuppa technology and to extend the solution to be used more widely in their operation.

Kokusai Kogyo Co. Ltd. (KKC), part of the Japan Asia Group, has introduced new products in its location-based service (LBS) platform, providing infrastructure for seamless positioning both indoors and outdoors, and for various types of visualizations, ranging from exhibition realtime matching and factory productivity improvement to disaster prevention information.

For more information, visit www.kkc.co.jp



“ We finally found Quuppa and we can now accomplish our goals with more accurate location data.

Morita Corporation