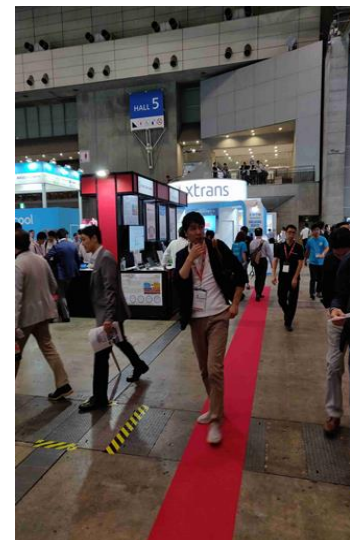***Interop-Japan, VOSYS presented 5GCity project showcase: improving edge security and trust.*** *Raising great attention on virtualization platforms, security and sensor integration.*

Last edition of Interop, the largest technological event in Japan, with a strong emphasis on **ICT** and telecommunications, was held on June13–15, 2018 at Makuhari Messe, Chiba, close to **Tokyo**.
It hosted hundreds of exhibitors, from all over the world, including major companies from the computing domain.
This is the third year that VOSYS – **Virtual Open System** attended this important appointment, with more than140,000 attendees during the three days of exhibition.

Source: VOSYS

This year a significant part of the event was focused on **IoT technology**; with a cluster of booths from 40 companies dedicated to IoT.
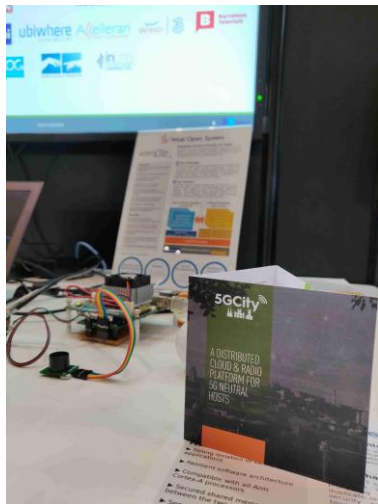

Source: VOSYS

VOSYS 5GCity demonstrator

At **Interop, VOSYS** had a booth and presented a demonstrator, to show VOSYS involvement in the 5GCity project – part of the EU Horizon2020 5G-PPP Phase 2 projects; work that the company is doing in the direction of improving edge security and trust. In particular, VOSYS demonstrated a VOSYSIoT product-based proof-of-concept of an IoT-edge gateway secured and consolidated using virtualization technologies.

Multiple sensors with different levels of criticality, were connected to the same IoT gateway running a software partitioner component from VOSYS. A critical heart sensor (electrocardiogram), an environment sensor (temperature, light, motion, …) and a distance sensor (ultrasonic) were all connected to the same platform. The distance sensor was handled by a real-time operating system also controlling a buzzer and making it "beep" according to the distance; the two other sensors were controlled by a Linux operating system. The demonstration
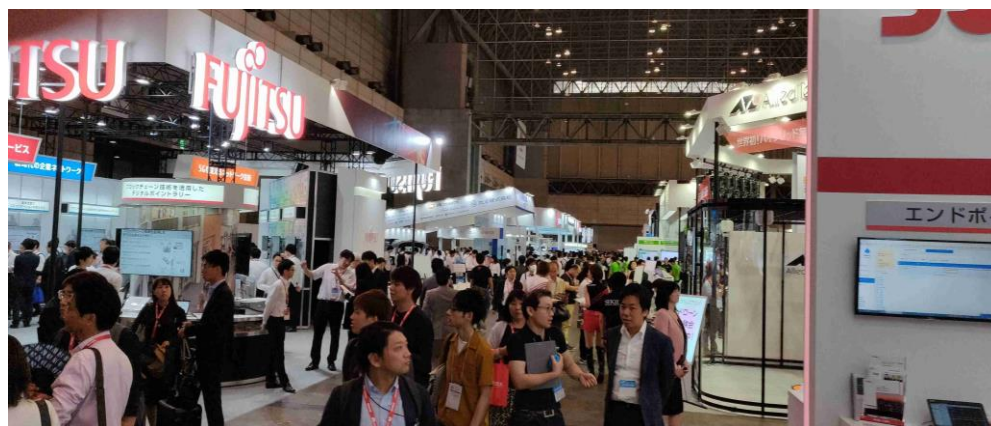
shows the isolation of the devices using a single gateway platform. All the data of the sensors were sent to the cloud. While, graphs of the data were displayed in real time on screens via a web browser.

Source: VOSYS

To help clarifying the concepts and to improve the strength of the message delivered to the event attendees, VOSYS showcased 5GCity specific flyers. The VOSYS demonstrator had more than 40 visitors from different companies, research institutes and universities. Their overall reactions were positive, with important and relevant questions related to virtualization platforms, security, and sensor integration.

In conclusion, VOSYS had the chance to showcase the work done in the context of 5GCity and to disseminate the project concepts and objectives. In general, virtualization architecture and security are seen by IoT people as an advanced research topic. Moreover, visitors and attendees demonstrated great interest for these issues. Some keynotes, and conferences were held during this important Interop edition, offering the possibility to monitor the current state-of-art for IoT technologies and network infrastructures (deployment, security, etc.).

Source: VOSYS