

## About

As the largest TV network in Taiwan, Sanlih E-Television Group owns six related channels, including SET News, SET Metro, SET Taiwan, SET iNews, SET International, and MTV Taiwan. Focused on the “one source, multiple use” concept, SET Group further extends its business reach to encompass four major media aspects such as new digital media, publishing, and cultural and creative exhibitions and performances, thus transforming itself into an “omnimedia” company. Moving from TV stations to its adoption of a multimedia approach, SET Group’s multilateral development strategy aims to not only fulfill its role in media, but also help promote the cultural elements, music, and tourism resources abroad and to the international market. As Taiwan’s largest base for content creation, SET Group continues to wield its media influence on lifestyles that combine virtual and physical realities as well as humanities and technology, creating a type of Chinese culture that is influential in terms of its film and television content.

[www.noodoe.com](http://www.noodoe.com)

## Solution

### Sanlih’s 5G Go, Striding into Media Entertainment

#### Solution Description

“Sanlih’s 5G Go, Striding in Media Entertainment” features two smart exhibitions and performances :

**Multi-location, simultaneous performances in real time is made possible by 5G communications and hologram technology :**

By taking advantage of 5G’s high-speed transmission and low latency capabilities, along with the application of hologram technology, singers and band members, in spite of being physically apart, are allowed to synchronize their performances without lag as if they were performing on the same stage. This unique platform that allows for “multi-location, simultaneous performances” uses real-time 5G signals, and the resulting live interactive performance marks a first-of-its-kind in Taiwan.

**Three major innovative 5G applications featured in the 2020 Dajia Mazu pilgrimage include :**

“Live broadcasting Mazu’s setting off via 5G technology:” Sanlih’s news network took the lead in live broadcasting by using two-way mobile filming positions with its “5G cell phone” and “5G filming kit.”

“Combining VR 360 full panoramic immersive experience with 5G technology:” During the pilgrimage, a 5G base station was set up at Changhua Mazu Temple, and the combination of on-site professional 360 cameras with 5G’s large bandwidth and high-speed transmission capabilities has made it possible for the audience in Xinyi Special District to put on a VR 360 headset and enjoy the live immersive video of Dajia Mazu’s temporary rest at Changhua Mazu Temple.

**“Utilizing both 5G’s high-speed transmission ability and 8K high resolution images” :**

8K cameras were used to live broadcast Dajia Mazu’s return trip to Zhenlan Temple, while 5G’s transmission capability allowed people in Xinyi Special District, despite being 200 kilometers away from Dajia, to watch and experience the cultural appeal in real time on an 80-inch 8K television as the deity returns to her original seat in Zhenlan Temple.

## About

Incorporated in 1975, Inventec has evolved from a manufacturer of calculators and telephones, to a leading original design manufacturer of laptops, servers and wireless communication products.

In the 5G era, Inventec is expanding its horizon to 5G private network and system integration, transforming its own world-class manufacturing sites to 5G smart factories.

[www.inventec.com](http://www.inventec.com)

## Solution

### Inventec E2E 5G MFG network solution for Highly Efficient Automation Line

#### Solution Description

Inventec has integrated the emerging software virtualization technology and open hardware concept with X86 standardized servers, building the world's first fully-virtualized, Open-RAN-based Standalone 5G enterprise private network.

The network provides unprecedented reliable connectivity required for IOT applications, with top-notch capability and security as 1st-tier global telecom carriers can offer.

Inventec E2E AOI network solution provides high-throughput to AOI station, allowing the transmission of large amounts of HD images to AI edge server and AI database in manufacturing cloud.

With 5G AI-AOI application, the First Pass Yield Rate will be dramatically increased, resulting to 50% human inspect manpower reduction in each AOI stop, up to 15%~20% manpower savings per assembly line.

## About

Taiwan Fixed Network Co., Ltd., which runs the brand “TWM Solution”, is the Enterprise Business Group of Taiwan Mobile. Taiwan Fixed Network follows the core value with Taiwan Mobile – “Create best customer experience” to provide customized enterprise solutions by integrating platforms and practicing 6C (Coverage · Convergence · Content · Channel · Cloud · CSR), and professional service team, to assist our enterprise clients improving efficiencies, cutting costs, and maximizing benefits.

[www.twmsolution.com](http://www.twmsolution.com)

## Solution

### Smart Stadium

#### Solution Description

In 2020, commercial 5G network has come into our lives. Taiwan’s fixed network, Taiwan Mobile Co., Ltd and Taiwan Win TV Media CO., Ltd. launched a 5G smart sports application at the Xinzhuang Baseball Stadium. We use the 5G network to provide the characteristics of Enhanced Mobile Broadband, Massive Machine Type Communications, and Ultra-reliable and Low Latency Communications, and together with local partners in Taiwan to generate a 5G smart application solution ecosystem.

This project focuses on the interactive management of fans, and uses many innovative technologies for demonstration, including the key video uses MEC and 5G, integrates 3D modeling animation and collects live light and shadow, provides dynamic and static image playback, high-quality real-time 4K panoramic photography, providing live stream of sports events, AR virtual opening display, giving fans a different visual experience, highly immersive virtual baseball games bring real-life experience, 3D Holographic projection technology is used to interact with virtual player images for pitching and playing games. Finally, it is also matched with the stadium's 3D depth technology and dynamic people counting analytics technology to provide security control requirements for the stadium. The player’s training platform uses sports technology to detect player swing speed, elevation angle, or distance is provided to the coach for immediate adjustment and improvement.

## About

TCviLux was founded in 1990 under the leadership of Chairman Yang Chao Chun, the business philosophy is active, innovative, and effective. We are a world-leading OEM manufacturer of connectors, flat flexible cables, and cable assemblies which are used to the electronics industries such as industrial, laptop, automotive, communications, optoelectronics, IoT, computers, etc.

CviLux is a financially stable company listed on the TWSE (8103.TW), the headquarter is in Tamsui and the main manufacturing facilities located in Tamsui, Dongguan, Suzhou, Chongqing, Anhui, and Laos. CviLux aims to become a world-leading corporation in profitability and corporate branding. The vision is to have our shareholders and employees be part of the future success, when our products connect the world to you.

[www.cvilux-group.com](http://www.cvilux-group.com)

## Solution

### Smart Work Order App

## Solution Description

Our customers include some of the international renowned manufacturers, and our products are distributed to the EMS qualified manufacturers around the world including Europe, Asia, and America. We obtained the international quality systems and electronics industry certifications.

## About

Established in 1996 in Hsin Chu, Taiwan, Sigurd Corporation is an independent provider of semiconductor assembly and test services. By leveraging the state-of-the-art IC assembly and test equipment and technologies, the company offers a fully integrated semiconductor backend manufacturing services to customers.

Sigurd owns over one thousand of various tester sets to perform wafer level and final tests for semiconductor ICs and modules. Operation of these sophisticated test equipments and technologies makes us one of the leading providers of semiconductor test services addressing either stand-alone or turnkey markets. Our test services cover a wide range of both standard and customized test solutions, including C/P and F/T for logic, analog, mixed-signal, RF, memory and power ICs.

Sigurd utilizes sophisticated assembly technologies for the manufacture of MEMS ICs, power management ICs, RF modules and logic ICs.

The products assembled and tested by us are extensively used in wireless communication, computing, digital consumer and multimedia products.

Sigurd's customers include many of the world's leading semiconductor design houses, IDMs, Wafer foundries. Their demands for the most advanced manufacturing technologies have been driving Sigurd to continuously upgrade our engineering and production capabilities to the higher degree.

Sigurd is listed on the Taiwan Stock Exchange since 2003.

Sigurd currently employs around 3000 people and 5 factories in Taiwan and China, and posted capital of NTD 3.8 billion and assets value of NTD. 18 billion.

[www.sigurd.com.tw](http://www.sigurd.com.tw)

## Solution

### The innovation project of supply raw materials using MR & AGV Solution on private 5G network

## Solution Description

In order to achieve the goal of the semiconductor field into AGV operation, the team will first use the Internet of Things technology and semiconductor process visualization application, through smart glasses as a machine control interface, and developing the supply raw materials system. THE IPQC as starting point of process, The personnel using MR operation to call AGV System carrying materials to nearby the machine to solve the downtime issue.