

5G O-RAN: Uninterrupted Communications for Disaster Relief in Rural Areas

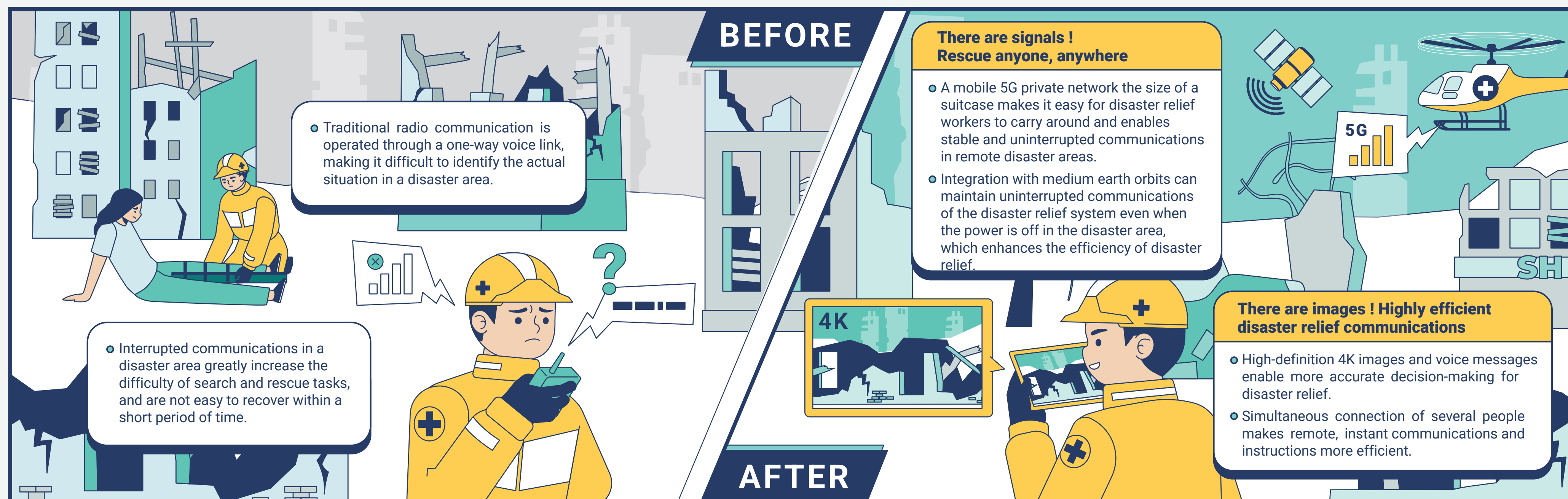
The Integration of Portable 5G O-RAN Private Network with Resilient Digital Satellite Communications Solution

Difficulties may arise in disaster rescue due to communications disruptions. The high transmission and low latency of the 5G O-RAN, among other features, help maintain stable communications during disaster relief. This project integrates a mobile 5G base station with medium earth orbits to improve communications coverage and undertake missions such as communications, images monitoring, and disaster reporting of the disaster relief system.

Project Results

#First in the World | The world's first digital resilience application integrating domestic 5G O-RAN with satellite communications for smart disaster prevention.

#Recognized by Major International Vendors | The CEO of Intel personally demonstrated Pegatron's O-RAN private network equipment and relevant 5G products at Intel Vision.



Key Technology

5G O-RAN

Satellite Digital Communications

Mobile Base Station

Technology Unit PEGATRON CORPORATION

Domestic Trial Site Hsinchu city

International Export Site Japan, Indonesia