

Accuver



Airspace network optimization
XCAL-Air

The background image depicts a modern, multi-level industrial facility. The ceiling is a complex, high-tech structure with a grid of solar panels and a large, glowing blue digital display. The display shows a dollar sign, a sun-like icon, and a bar chart. The walls are covered in green plants and flowers. In the foreground, several yellow robotic arms are visible, working on a production line. The overall atmosphere is one of advanced technology and sustainable manufacturing.

Private 5G networks enhance smart factories with reliable, secure connectivity, crucial for Industry 4.0. Advances from 3GPP Release 16 enable real-time control and flexible production reconfiguration, ensuring seamless operation and reducing costly disruptions.

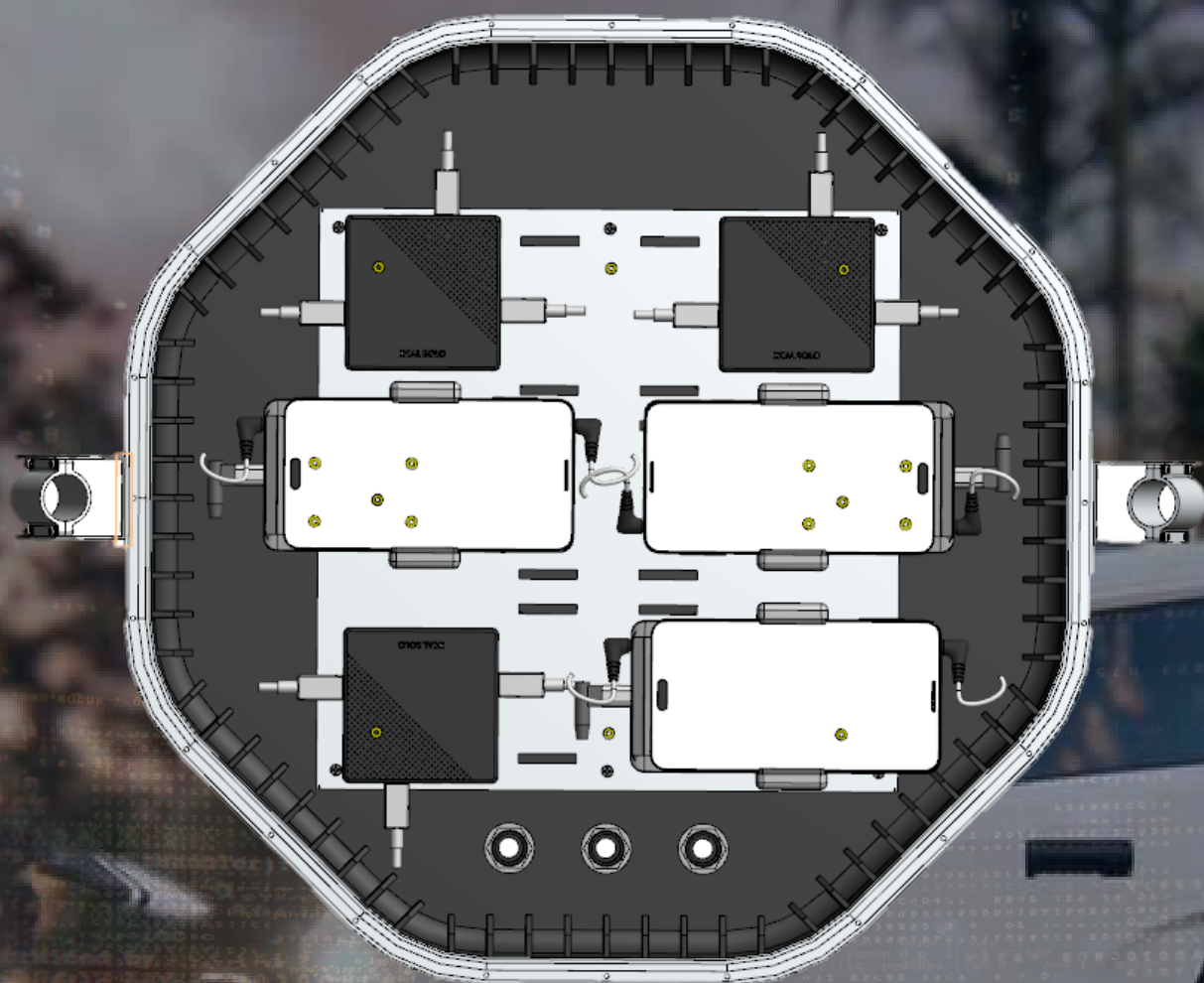
However, to comply with license conditions, smart factories must prevent 5G signal leakage beyond their boundaries to avoid interference.

Achieving this can be challenging without an appropriate solution.



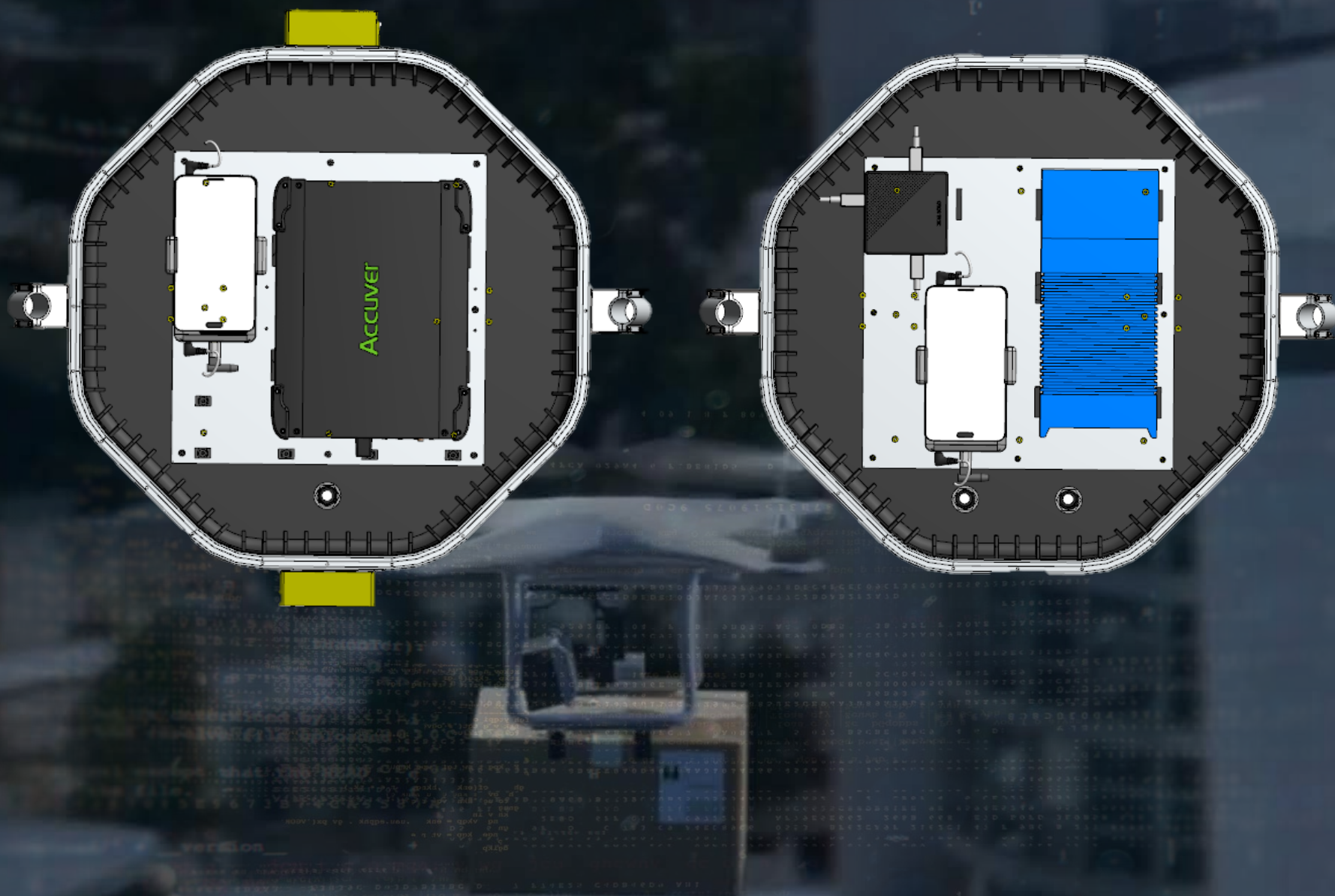
XCAL-Air is a comprehensive airspace network performance measurement package designed to identify and rectify coverage gaps.

XCAL-Air consists of a drone body, a Flying Control unit, and a Network Performance Measuring unit.



Utilizing up to 3 smartphones and XCAL-Solo devices, XCAL-Air is an ideal solution for benchmarking testing in airspace mobile networks.

Its benchmarking tests evaluate network quality along drone taxi corridors at varying altitudes.



Thanks to its mobility, it enables the detection and analysis of RF signals with a Spectrum Analyzer and Scanner even in hard-to-reach areas.

From control to measurement, it provides a fully automated testing experience.

XCAL-Air supports more than just mounting network testing tools.

It combines test tools with drone capabilities and empowers the system to autonomously initiate appropriate actions upon detecting any mobile network issues.

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For more information

sales@accuver.com