



Customer

The **Austrian Space Forum (OeWF)** is a network of scientists and space enthusiasts who are trying to bring the fascination of space exploration to a wider audience. The Space Forum cooperates worldwide with research facilities, industry partners, and policy makers. By conducting experiments and research on Mars exploration, it contributes to the global scientific studies that are so vital to any future Mars missions.

Concept / Requirements

- **Robust and reliable hardware** for the outdoors
- Easy to install, **mobile equipment** for use in rough terrain
- Wireless Distribution System (WDS) for **wide-area point-to-point links** via multiple access points

Solution

- Outdoor access points on tripods with rechargeable batteries help the **easy and flexible installation across the terrain**
- Distribution of **outdoor access points** and interconnection via **line-of-sight/point-to-point links** to form a 5-GHz WLAN
- **Live communications** and **transmission of vital signs** of the astronauts via WLAN

Benefits

- The high quality of the equipment ensures a **stable and fail-safe network** even under extreme environmental conditions
- Better flexibility thanks to the **increased range and improved transmission power**
- Ease of use and a consistent configuration of the devices allows the **customized expansion of the network**



Infrastructure

LANCOM Outdoor Access Points OAP-322

