



Expanding Access to Healthcare

Connecting Rural Communities
to High-Quality Care

Exploration – Innovation – Technology Webinar
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Disclosures

- Employee and shareholder of Microsoft Corporation.
- Responsible for Healthcare, Life Science, and Data Analytics product and services sales across the U. S. Federal agencies.

Agenda

- Virtual Care Technology
- Reaching patients in disconnected communities
- Case Study: *Delivering healthcare to a Rural South African Community*



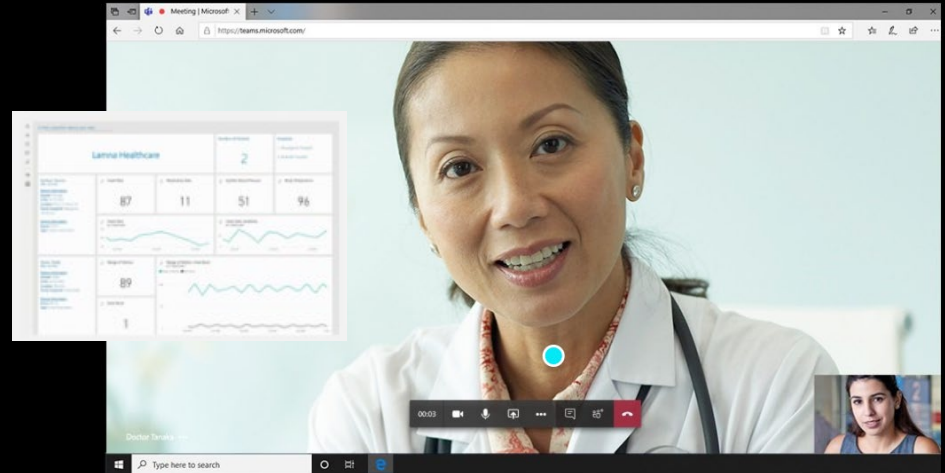
Objectives

- Identify scenarios where access to healthcare is limited by a lack of broadband or internet connectivity.
- Describe how existing technologies can be used to bridge the divide between urban and rural healthcare access.

Bringing quality healthcare to the people ...

Receive expert consultations from anywhere in the world

- Virtual Visits & Consults
- Remote Patient Monitoring
- Proactive Patient Outreach



Microsoft Teams & Azure IoT



Microsoft Mesh

Experience physician
"presence" with Mixed Reality

Care providers interact with patients as avatars or realistic virtual images of themselves – as if they are sharing the same space

... wherever they may be

Technology enables health information exchange between patients and providers separated by thousands of miles in the most remote locations across the globe

**Rural Communities
at Home**

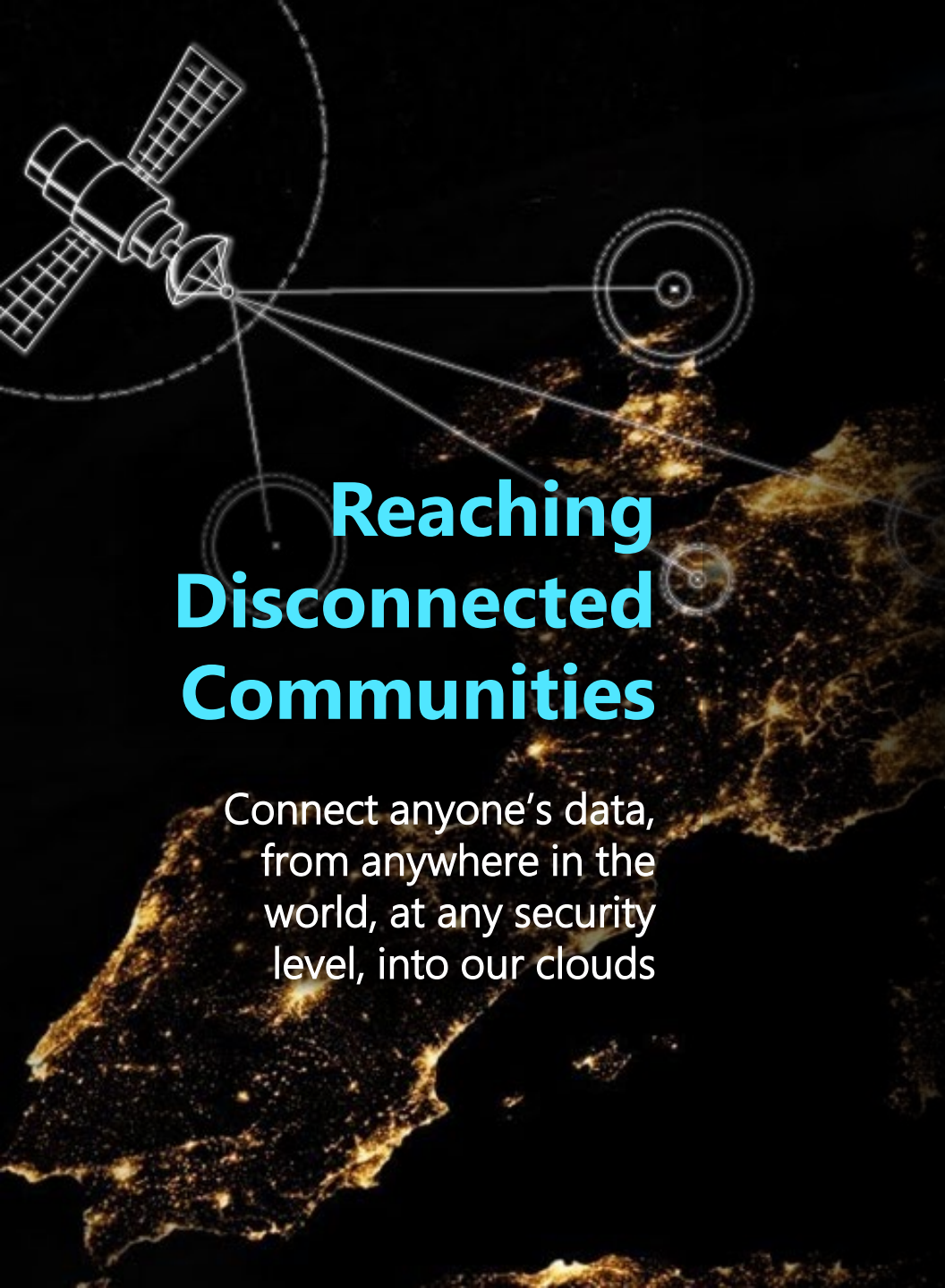


**Medical Assistance
Abroad**



**Clinical Support in
Austere Environments**





Reaching Disconnected Communities

Connect anyone's data,
from anywhere in the
world, at any security
level, into our clouds

Azure Orbital Global Connectivity

Creating an ecosystem of partners connecting Microsoft's global data centers and edge devices via satellite.

Satellite providers can co-locate new ground stations in Azure data centers, at the edge of the Azure network, and interconnect their existing ground stations with Azure's low-latency global fiber network.



Last Mile Connectivity

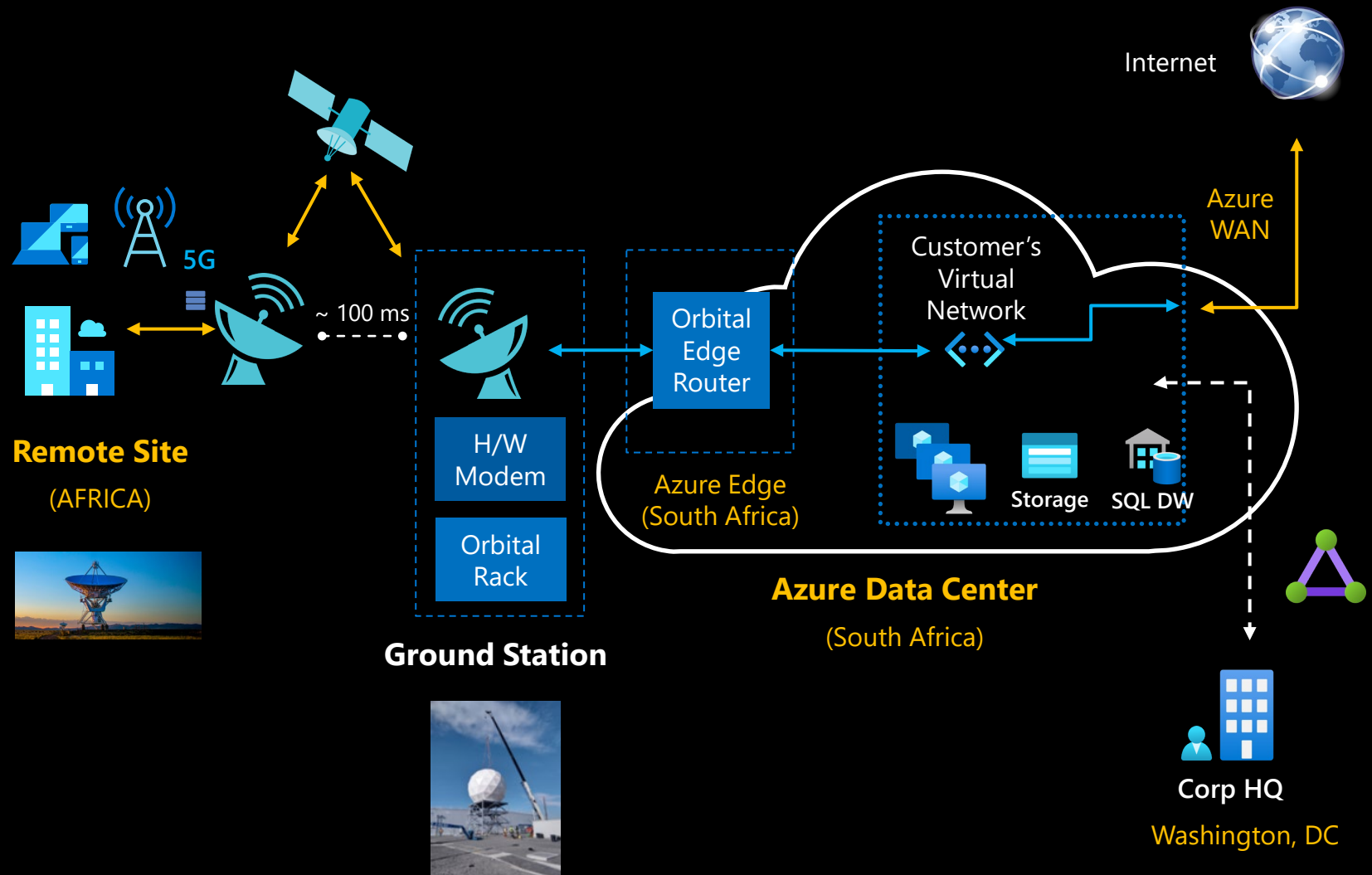
Microsoft Airband Initiative

Partnerships with broadband carriers enable the distribution of fiber, microwave, satellite, and TV white space to local communities.



Azure Orbital

Ground Station as a Service



Serving the underserved with mobile solutions and cloud technology

Microsoft - Customer Story: Phulukisa Healthcare



South African company on a mission to bring primary healthcare access for the entire population in an affordable and scalable fashion



Community Health Clinics



Mobile Health Clinics



Portable Health Kits

- Healthcare access closer to the patient
- Mobile physical examination rooms
- Mobile laboratory and imaging units

- Mobile diagnostic kits for common diseases
- Easy to operate by administrative staff
- Cloud connectivity for patient data storage, sharing, and analytics



Thank you.



Questions?

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