

IOT  
CONNECTIVITIES  
IN INDONESIA  
CHALLENGES  
AND  
OPPORTUNITTIES

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# SUMMARY

- Challenges
  - MNO Strategies
  - Geographical
  - Business Requirements
- Opportunities

# MNO STRATEGIES

- Unstable and inconsistent network footprint.
- Vendor locked-in.
- Deployment more focus on populated area.
- Investment must be backed by hot pipelines.

# GEOGRAPHICAL

- Indonesia as archipelago country.
- Many opportunities located in remote area.
- Separated locations means more cost.

# BUSINESS REQUIREMENTS

- Long term device interoperability.
- Easyness of deployment.
- Business case feasibility.
- Consumer SIM for IoT connectivity.
- Unmature IoT Ecosystem.

# OPPORTUNITIES

- eSIM.
- LP-WAN (Lora , NB-IoT).
- Private Network (Private 5G, Private LTE).
- Non cellular IoT connectivities (Zegbee, Wifi6, Bluetooth, etc).