

# Connect Radios to Very Distant Antennas using Optical Fiber

**Move Antennas Away  
from the CP and  
Take the Radios  
off Radio Hill**



Amplifier Interface Unit (AIU)  
Antenna Hill

## FORAX RF-over-Fiber Communications System

- Locate antennas 10km+ from radios
- Operate Radios from inside SCIF
- HF, SINGARS, VHF LOS, UHF LOS, TACSAT, EPLRS and GPS
- Using aerostat, increase radio range and overcome obstacles in LOS



Radio Interface Unit (RIU)  
Ops Center



# SYNTONICS



®

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Communication Innovations in the RF Domain