

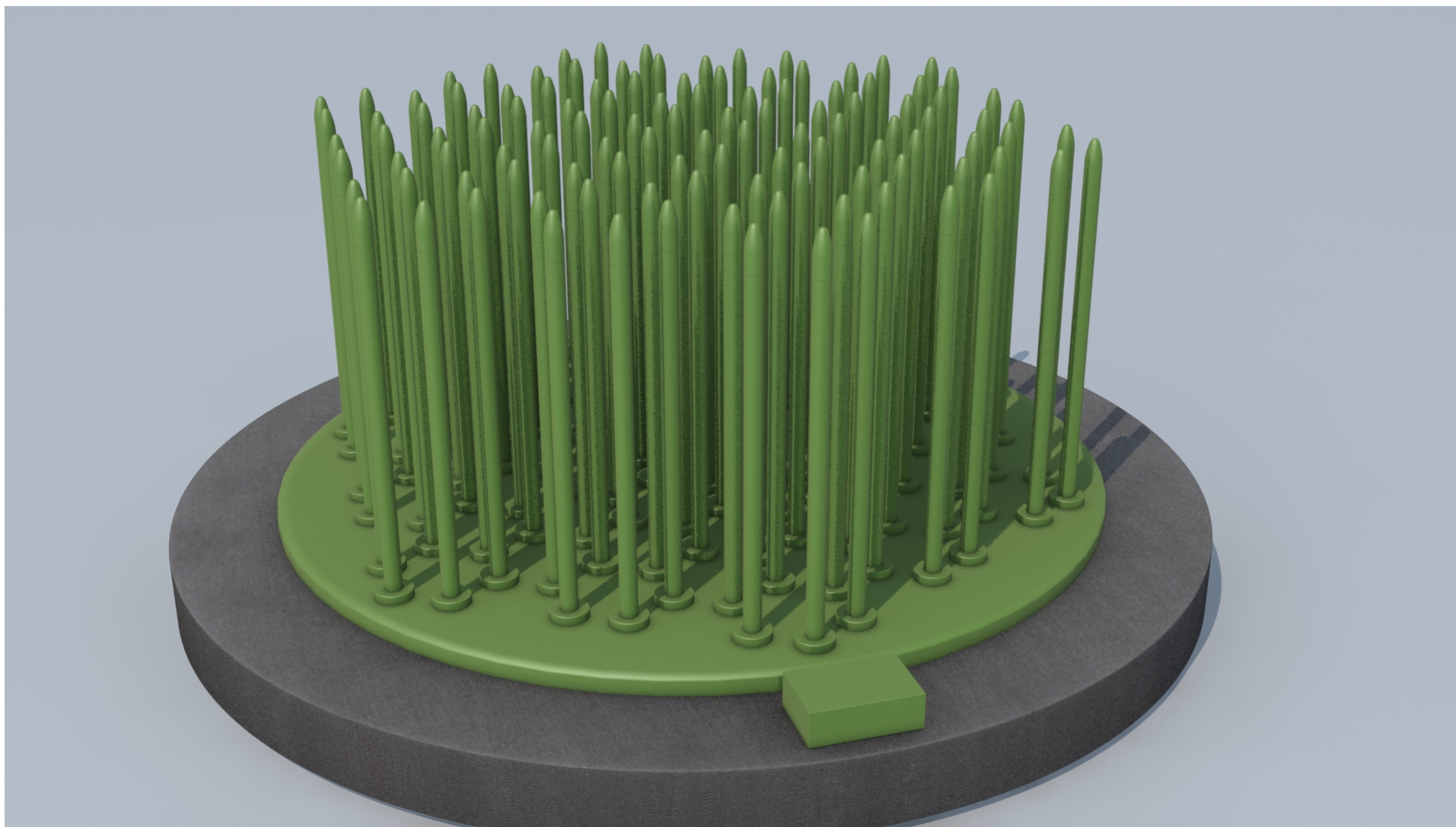
New Receiving Ground Station using Active Phased Array Antenna for Satellites

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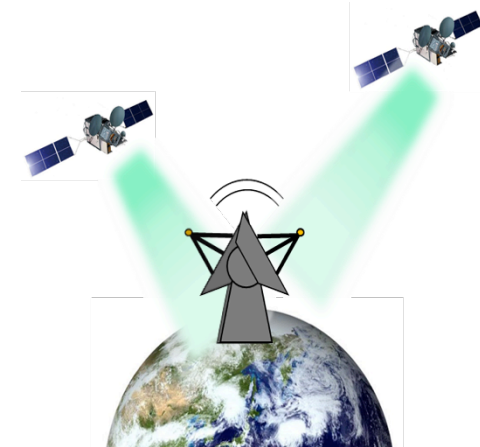
Active Phased Array Antenna

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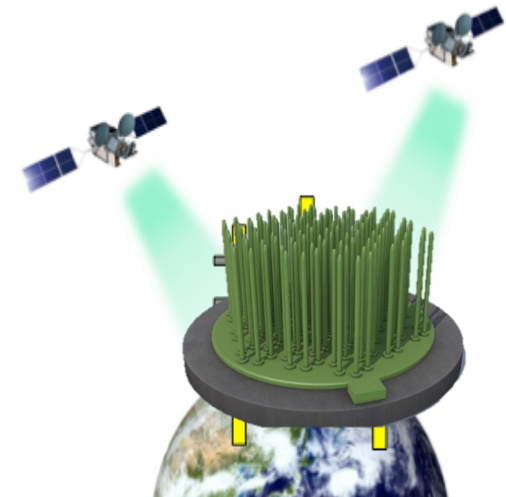


Advantages of the APAA Approach

- Active Phase Array Antenna
 - Electrically main beam scanning
 - All sky scanning
- High-speed beam scanning
 - Versus Parabolic Dish mechanical drive, reducing in scanning time from 10 min → 1 second
- Multi-Beam
 - Simultaneous tracking of several Satellites
- Almost Maintenance-Free
 - No Mechanical drives
- Worldwide network
 - Remote control via Internet
- Diverse applications
 - High-bandwidth, low cost data downlinks
 - Communication among multiple sats,
 - Various data: imaging, weather radar, Airport radar, etc.



Parabolic Antenna



Active Phased Array Antenna

Worldwide Network by collaborations with Universities

