

SINGAPORE SPACE INTELLIGENT INTERNET

“Establishment of an “International Space Internet Union” to spearhead setting up a brand new INTERNET in SPACE..... “

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Danang, Vietnam

KEY IMPERATIVES

- To develop “Space Internet” for all Mankind
 - Bring together **Men of all KINDs** - Stakeholders for Voluntary Cooperation of Mutual Interest
 - Global Investors, Telcos, OEMs, international regional intergovernmental organisations, national regulators ...etc
 - To focus on how best to use **precious SPACE resources to set up an Internet in space**

VISION & MISSION

SSII VISION : To pioneer a space-based, smart network providing internet capability to **ALL by ALL** collaborators & competitors

SSII MISSION : To achieve this via an Establishment of International Space Internet Union (ISIU) **as a structure:**

- To **optimise effective usage** of Freq.Spectrum and Orbital Real Estate

WHAT IS SPACE INTERNET ?

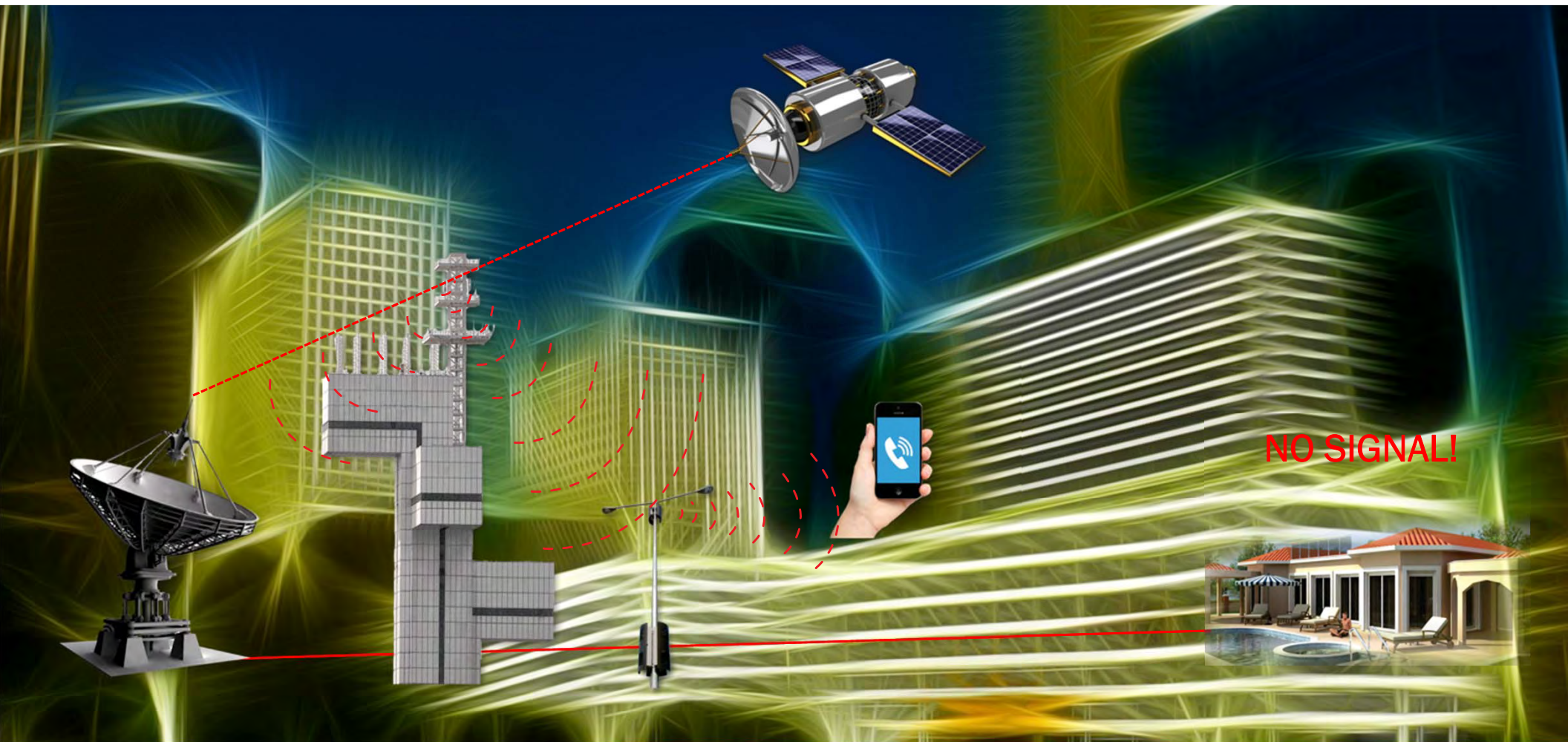
- Space Internet: “**VERY VERY large capacity**”
600,000 Tbps just based on 6bn smart phones
 - **no one entity have enough allocated space resources to do it alone**
 - **“Silo” VPNs in space are not INTERNET**
 - **piece meal allocation is not optimized and need to pool together the limited space resources**

WHY SPACE INTERNET ?

- Today, terrestrial internet connection is not worldwide
- With the surge in mobile, hi-bandwidth, hi-speed data traffic, the ground internet is “choking to death”
- Space Internet is the next era: the Savior
 - With smart antenna on mobile platforms
 - With smart phones seamless connection from Space Internet

WHY Space Internet ?

Mobile Internet 1.0: Mobile Terminals + Fixed Base Stations & Internet



Evolution to Mobile Internet 2.0

Mobile Internet 2.0: Mobile Terminals + SMAT + Space Intelligent Internet



Ultimate Fruition of Mobile Internet 3.0

Mobile Internet 3.0: Mobile Terminals + Space Intelligent Mobile Internet



A BETTER INTERNET IN SPACE

Need to resolve:

- **Cyber Security** risks of today's terrestrial Internet
- High Demands in a **Mobile Internet era**:
Mobile terminals; M2M; IoTs; Mobile payment
- **Telcos Challenges**: Contradiction among traffic, speed; pricing; OTT; Regional ...etc

HOW TO BUILD SPACE INTERNET

- **Standardized** connectivity
- **Augmented** Intelligent
- **Apriori** Secure

ONLY WAY TO BUILD SPACE INTERNET

- Cost-effectiveness, Speed and Scalability
 - low cost is derived from **large data volume**
 - fast speed as a result of **adequate spectrum**
 - scalability through an open architecture for **interoperability**

ONLY WAY is to **CONSOLIDATE** together all the freq.spectrum & orbital real estate **UNDER ONE “ISIU”** to discuss together how to achieve to build a truly open Space Internet for ALL



ISIU - a platform for like-minded people to voluntarily come together to brainstorm constructively win-win solutions vs the myriad challenges as to how we all could achieve setting up a future Space Internet for Mankind



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