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Saankhya's SDR based SATCOM Solutions

Saankhya Labs at a glance



- Founded in 2007
- First in production SDR chipsets
- Vertically integrated SDR focused company
 - ✓ Convergence
 - ✓ Satcom – MoU with ISRO for MSS Terminals
 - ✓ Terrestrial
 - ✓ Defence
- Strong IP portfolio > 27 patents



Saankhya's SATCOM portfolio



- Indigenous Hub-side baseband
- S-Band Satellite Phone
- Two-way location reporting terminals
- Vessel Tracking Terminals
- Broadcast Receiver



Convergence Era



- Spectrum is a scarce resource
- Breaking the Silos of Cellular, Terrestrial & Satellite networks
- Consumer is the King & NOT the service provider
 - ✓ Video consumption is on the rise (73% of mobile data traffic)
 - ✓ Unicast networks do not carry Video efficiently
 - ✓ OTT isn't free
- Broadcast – Broadband Convergence is the way forward
- 5g is all about integrating disparate networks

Way forward..



- Self-Reliance in Space and Ground Infrastructure
- Convergence is the New age reality
 - ✓ Unified policy framework to Make Digital India a success!
 - ✓ Open Standards to ensure Make in India a success!
 - ✓ Support Indian ecosystem to Make Start up India a success!



Recommendations..



- Make equitable investments to build indigenous ground segment
 - ✓ Ground terminals are an afterthought and almost always foreign
- Own and push for open frameworks
 - ✓ Participate in 5g standardization for open satellite standards
- Policy mandates and Preferential Market Access to
 - ✓ Designed and Made in India products
 - ✓ IPR to be held in India

Thank you



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