Driven forward by technology

Our solutions are powered by technology we've developed through years of research to meet the demanding network

5G RU ORAN 7.2x Compliant

The 5G Remote Radio Units are based on ORAN 7.2x split. They enable mobile network operators to service wider areas and provide high speed, low latency communication

Broadcast Radio Head (BRH)

BRH is a next-generation Digital Terrestrial Transmission solution that creates uniform high signal strength to enable efficient spectrum

Navdoot Vessel Tracking Terminal

NAVDOOT is a 2-way, IP67 compliant, mobile satellite service terminal deployed on fishing vessels. It enables 2-way communications and real-time tracking of vessels in deep sea

SL3000 Software Defined Radio Chipset

Fully Software defined Universal Baseband Demodulator IC, suited for custom waveform demodulation, international satellite support, and terrestrial, cable, radio, and TV broadcasting.

SL4000 Software Defined Radio Chipset

SL4000, is a compact Next-Gen Universal Mobile DTV Receiver that enables reception of LIVE TV signal on handheld devices. It supports all leading Mobile TV Standards

RAN-Wiser™ Software Framework (Upcoming Product)

The RAN-Wiser™ is a software framework for RAN workloads. It disaggregates the DU hardware and software and enables seamless portability of multivendor DU software.

Saankhya Labs

Saankhya Labs (subsidiary of Tejas Networks) is an innovator in wireless communication solution with disruptive solutions for 5G NR, Direct To Mobile Broadcast and Satcom powered by award winning, patented Software Defined Radio (SDR) chipsets As India's leading vertically-integrated communications systems and technology solutions provider, Saankhya Labs designs and develops a full spectrum of offerings and support for solutions across international geographies with a variety of applications. Saankhya aims to be a global leader in wireless communication products, driven by the passion for innovation.

Awards and Recognitions

Most Innovative Org. Medium Size, 2021 CII

India's Growth Champions 2020, Economic Times

Champions of Rural Market 2019, Economic Times

Defence Award in 'Gold' Category, Skoch Group

Alliances and Memberships

Saankhya Labs (subsidiary of Tejas Networks)
Embassy Icon, Floor 3, No: 3, Infantry Road,
Bengaluru, Karnataka – 560001, India
Phone No: +91-80-6117 1000 Fax: +91-80-6117 1030
info@saankhyalabs.com www.saankhyalabs.com

Saankhya Labs

Connecting the world to the future

Accessible and future-ready communication solutions for tomorrow and beyond

In this hyper-connected world, creating fast, reliable, and efficient communication solutions is the only way to ensure accessibility for all. That could mean creating better communication channels to new and remote locations, reducing network bottlenecks, or improving the quality of data transmission within large urban areas. The possibilities created with better communication networks are endless. Leveraging this technology to overcome the challenges of tomorrow will require disruptive innovation today.

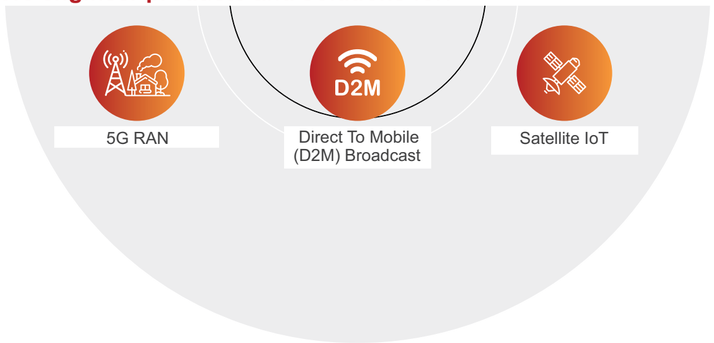
Future-ready communication solutions, delivered today

Headquartered in India's Silicon Valley, Bengaluru, Saankhya Labs' journey began in 2007 by pioneering Software Defined Radio (SDR) architecture for chipsets.

Over the years we have forayed from just a chipset company to developing wireless systems and end-to-end communication platforms. Our wireless communication solution portfolio includes solutions for 5G NR, Broadcast and Satcom Solutions.

Today, we are a cutting-edge and future-ready team of veteran innovators and industry leaders. We push the envelope of innovation every day through the deployment of various next-generation communication solutions for tomorrow and beyond.

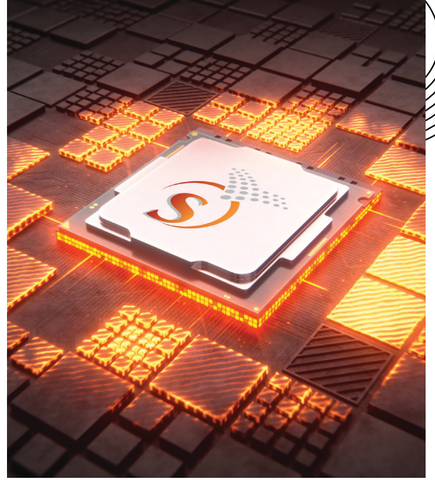
We engineer products and solutions for:



Why Saankhya?

Saankhya Labs has **multi-domain expertise in VLSI Architecture, RAN Infrastructure, and Cloud & Virtualization solutions.**

With a proven track record of delivering solutions which help in increasing efficiency, lowering costs, and improving reliability, we have disrupted the wireless communication landscape. We are developing standards and frameworks which will power the **truly open communication networks of the future**



- 70+ international patents granted
- Award-winning patented Software Defined Radio SoC platform
- Unique 'chips-to-systems' expertise
- Diverse applications from direct-to-mobile broadcast to high speed 5G communication
- Disruptive innovations for future-ready communication solutions

Spectrum-wide solutions for all challenges

5G NR

Saankhya has disrupted the 5G NR landscape with next gen 5G solutions comprising of 5G Radio Access Network products and chipsets. These solutions provide Mobile Network Operators scalable, highly elastic, truly open radio access networks and reduce the total cost of ownership. The differentiated Open RAN solutions include

- **5G Remote Radio Unit**, multi carrier, macro cell radio units based on ORAN 7.2x split, which increase network efficiency and reduce Capex and Opex, thus lowering Total Cost of Operations
- **Open DU platform**, a RAN optimized hardware platform enabling open hardware and software implementation
- **Elastic RAN System on Chip** which can be used in ORAN compliant DUs at data centers, cell sites, or small cells
- **Portable RAN Framework RANWiser™** which enables disaggregation and decoupling of DU hardware and software
- **Radio Mapping Solution** for network planning and operations

Direct To Mobile (D2M) Broadcast

Our Direct To Mobile (D2M) Broadcast solution is a fifth-generation data transmission solution that will allow more devices to access voluminous data simultaneously, via a single broadcast. By using 'smart' pipes instead of 'fat' ones, we optimize the delivery of linear and OTT content from streaming services. This will massively reduce network congestion, allow for faster downloads and uploads, and provide a better user experience for consumers. The applications for Direct To Mobile(D2M) Broadcast solution include Push and Timed OTT Delivery, FOTA/SOTA over broadcast for connected cars among others.

Satcom Solutions

By conquering space, the final frontier, we enable better communication channels right at home. As a Strategic MSS Technology Partner for the Indian Space Research Organisation (ISRO), India's national space research agency, Saankhya Labs has developed frontline SDR-based satellite IoT systems. These include 2-way Mobile Satellite Service (MSS) Terminals, Satellite Receive Only Terminals (ROT), and Hub-Side Equipment. The SATCOM solution enables real-time tracking of both fixed and mobile assets, provides systems for emergency communication, and creates communication infrastructure in remote areas.