



# 4G/5G+ Intelligent Connectivity Open Ecosystem O-RAN

Company General Presentation

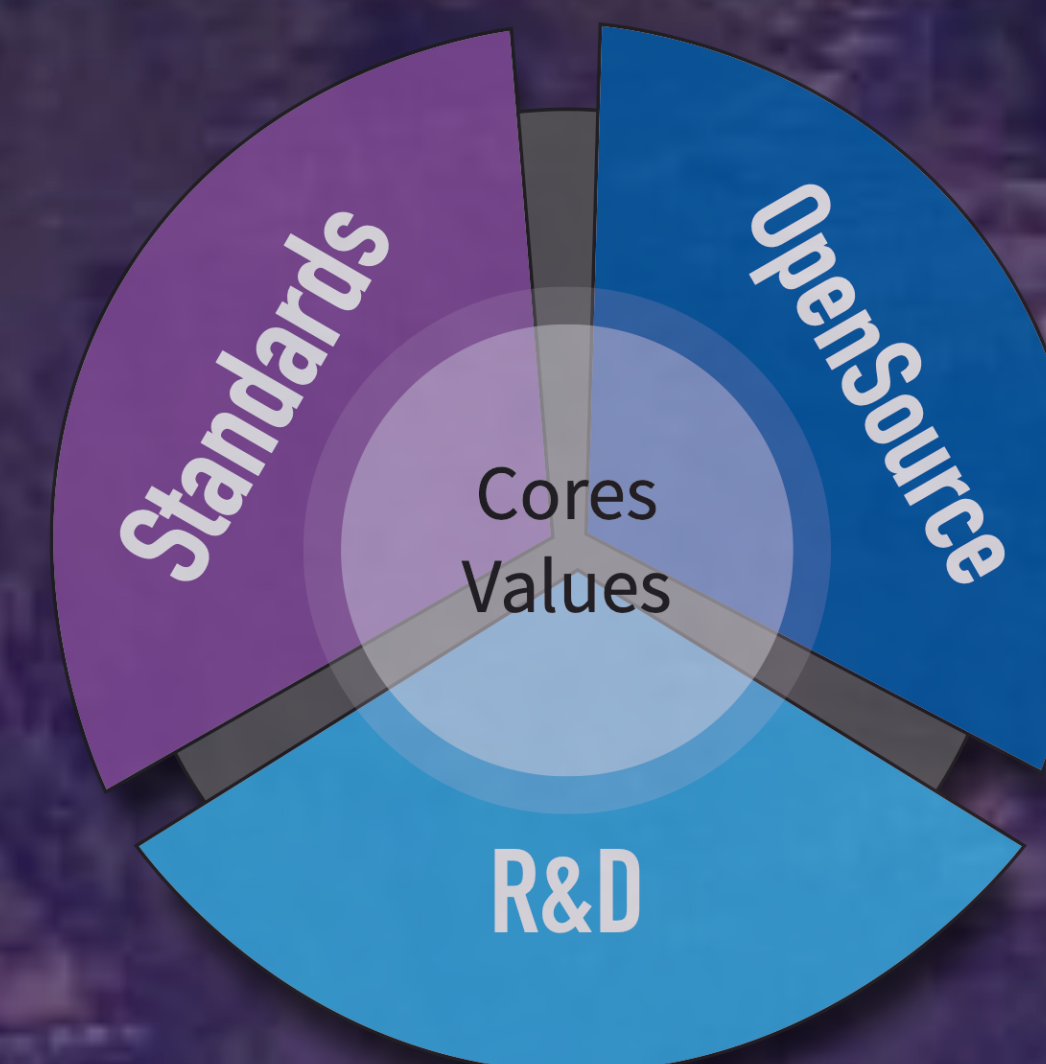




# Who are we?

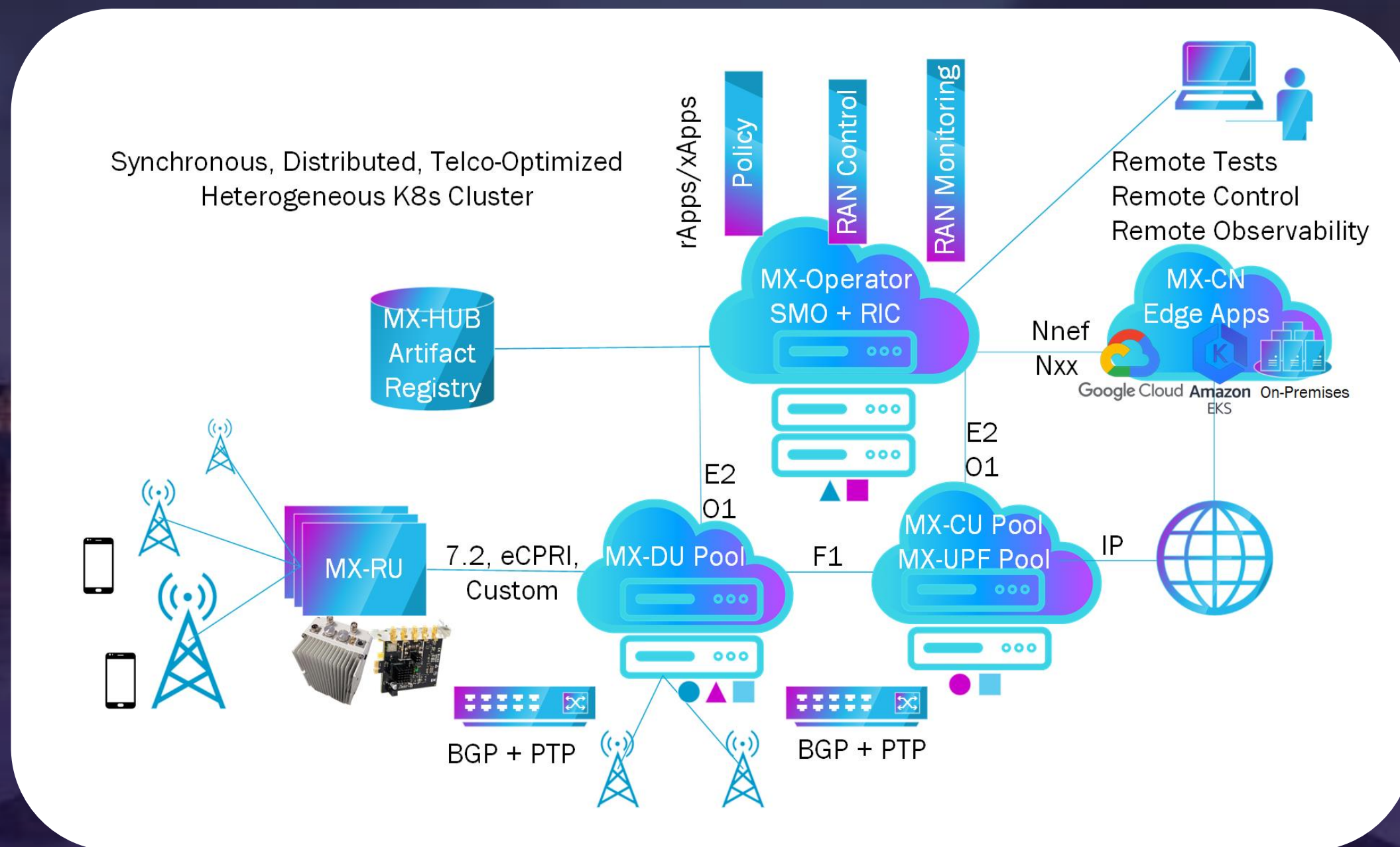


- ▶ Spin-off of Eurecom, founded in 2021.
- ▶ Innovative Startup with a creative team rooted in R&D, OpenSource & standards
- ▶ Located in Sophia-Antipolis, South of France
- ▶ Main Areas: Cloud-Native, 4G/5G, O-RAN/Open RAN, MANO, Intelligence.
- ▶ **Mission:** build an open, neutral, and trustworthy Telco Cloud Technologies
- ▶ **Market:** R&D, Test and Measurement, and Private 5G
- ▶ **BubbleRAN 4Ps:** Product, People, Positive, Planet.





# BubbleRAN



We are a software company dedicated to telecom and deliver a range of best-in-class cloud-native 4G/5G solutions empowered by O-RAN, Edge Computing, and Generative AI technologies for R&D and enterprise private 5G.

We help organization to deploy, operate, and automate a high-performance, reliable, and secure 4G/5G infrastructure at scale that is simple to use, customize and extend.



What are the dimensions of Multi-X ? Multi-vendor, Multi-version, Multi-RAT, Multi-Frequency, Multi-RF, Multi-cloud, Multi-OS, Multi-deployment.

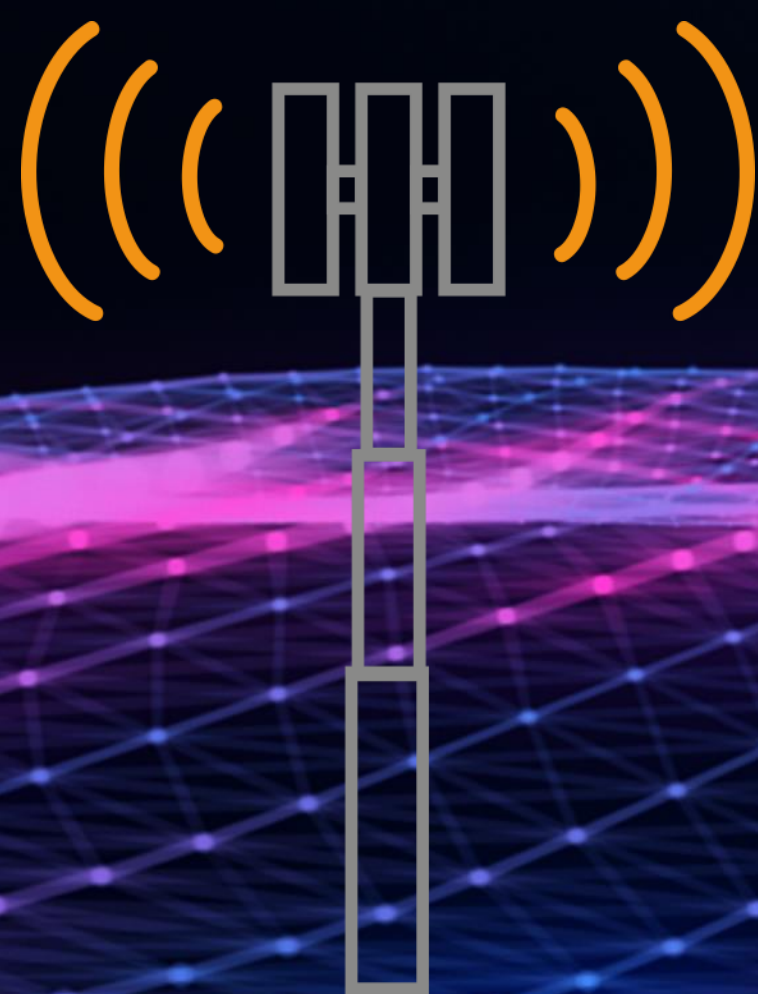




Customize. Operate. Capitalize.

# Turnkey 4G/5G Solutions

*Software-based, Cloud-Native, and Green  
[Public and Private clouds]*



Save money when buying  
BubbleRAN 4G/5G products

Make money when capitalising  
on BubbleRAN 4G/5G products

- Open Ecosystem
- Cloud-Native Intelligence
- Faster delivery cycle and time to market





# BubbleRAN Solutions

From NPN/Private5G to Emerging Operators

From R&D to MVP



From a 4G/5G Router to a Moving Cell



*Want to bring a customised, private, secured, and automated network to your business ?*

*Want to bring connectivity everywhere?*





*Need flexibility and openness to unlock innovation ?  
Want to show case Cloud-Native Open RAN and develop your xApps/rApps?*

*Need high availability, reliability and fault tolerance while guaranteeing performance in a production environment?*

*Need an embedded and portable connectivity that could be meshed together?*



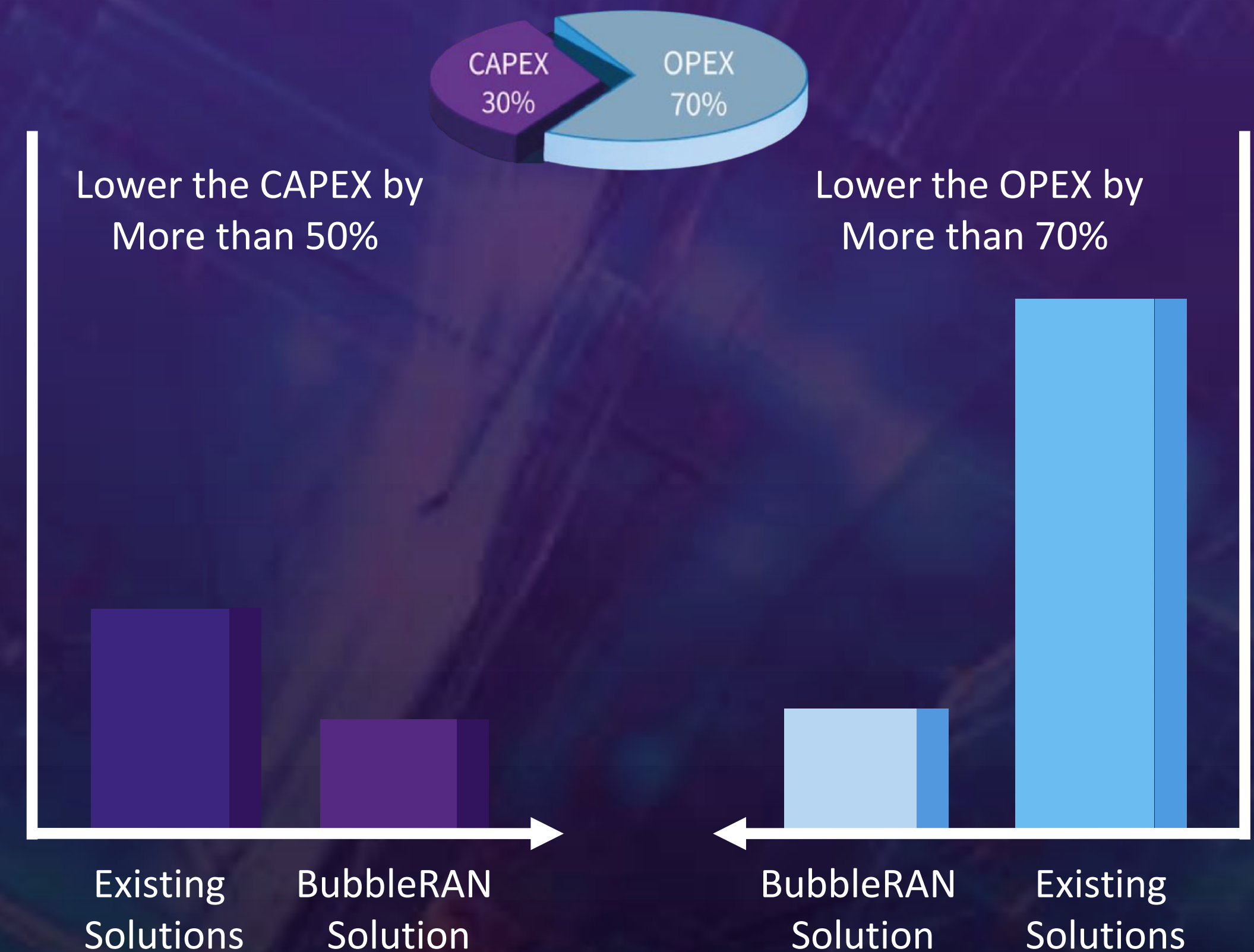
# BubbleRAN Products at a Glance

Product	Noticeable Design Criteria	Target Customer Set
 <b>MX-ORS</b>	<ul style="list-style-type: none"> <li>* Data Verbosity</li> <li>* Open Documentation</li> <li>* Deployment Diversity</li> </ul>	<ul style="list-style-type: none"> <li>* Ease of Usage</li> <li>* Public Cloud Support</li> <li>* Reproducibility</li> <li>* Universities</li> <li>* Research Institutes</li> <li>* Training</li> </ul>
 <b>MX-HUB</b>	<ul style="list-style-type: none"> <li>* Minimal Cost</li> <li>* Lightweightness</li> </ul>	<ul style="list-style-type: none"> <li>* Sustainability</li> <li>* Security</li> <li>* Enterprises</li> <li>* Expeditions</li> </ul>
 <b>MX-PDK</b>	<ul style="list-style-type: none"> <li>* Versatility</li> <li>* Technology Novelty</li> <li>* Observability</li> </ul>	<ul style="list-style-type: none"> <li>* Reproducibility</li> <li>* Performance</li> <li>* Scalability</li> <li>* Research Institutes</li> <li>* Integrators</li> <li>* Operators</li> </ul>
 <b>MX-PRO</b>	<ul style="list-style-type: none"> <li>* Performance</li> <li>* Reliability</li> </ul>	<ul style="list-style-type: none"> <li>* Security</li> <li>* Business Intelligence</li> <li>* Factories</li> <li>* Campuses</li> </ul>

# Benefits of BubbleRAN Products

## *Software-based, Cloud-Native, and Green*

- Inclusive Environment from R&D to Production
- Upskill network engineers with BubbleRAN MX-Operator\*
- Simplify Telco Operations
- Optimize CAPEX and OPEX (TCO)
- Capitalize on Green and Cloud Tech.



\* The estimated training period for an engineer is 1 day to operate a network.



# Philosophy

Creating an Emergent Open Ecosystem

## Commercial Technology to Product

+Open Ecosystem

+Partnership

+Right Pricing

+Customer Service

+Pioneering R&D

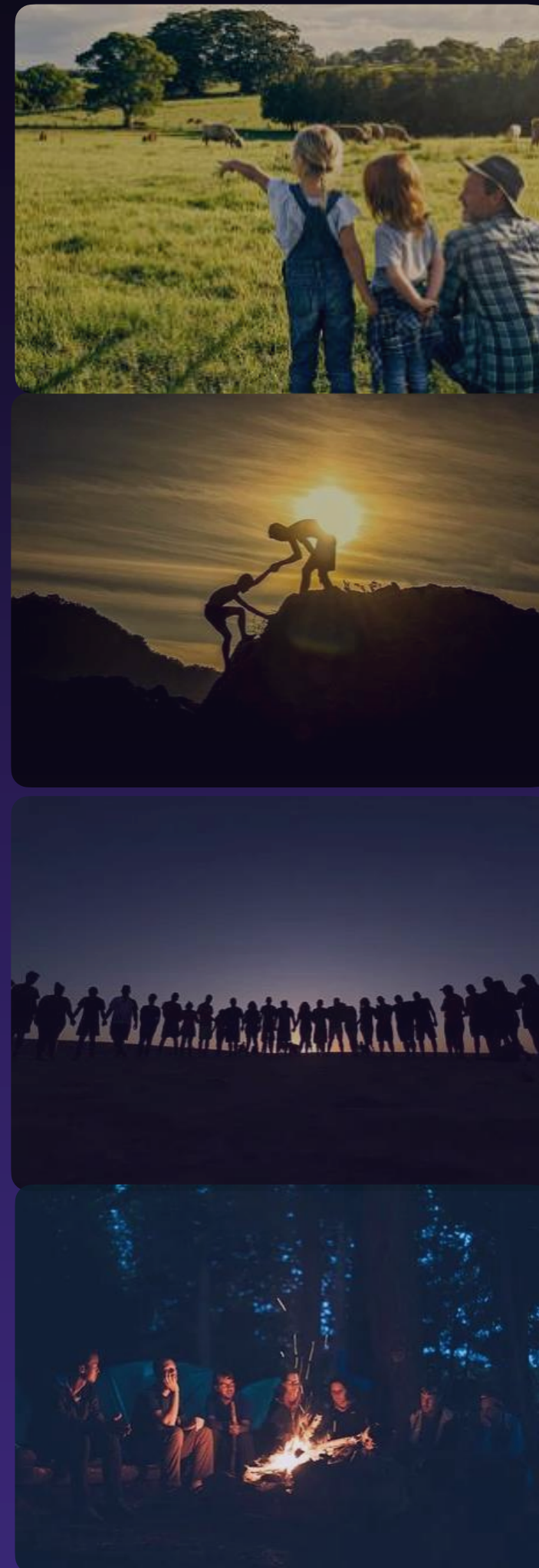
+Cutting-Edge Products

+Lab to Production

+Open Access Docs

New Possibilities for Emerging Operators

*Connecting Everyone, Everything, Everywhere Beyond Borders*





# Philanthropy

## Giving Back

Every child needs a chance for education and every school needs to be able to support it. **BubbleRAN commits** to make a significant difference in the lives of underprivileged children around the world by means of donations and IT supports as the only happiness that lasts is the happiness that comes from **giving back**.

*Connecting Everyone, Everything, Everywhere Beyond Borders*

