

Building the Future of Shared 5G: R&D track Neutral Host Small Cells in the O-RAN Era

ACES built its dominance and established a strong foothold across the globe by leveraging its expertise in the sector which has led to expanding its horizons and getting awarded of some of the largest projects.



Saudi Arabia



- ACES, a Digital infrastructure Neutral Host licensed Saudi company providing In-Building Solutions, Wi-Fi-DAS, Fiber Optics, Data Centers and Managed Services.
- We at ACES design, build, manage and enables Telecom-Operators, Airports, Metros, Railways, Smart & Safe Cities, MEGA projects and large organizations to implement their digital wireless.
- Global footprint in countries from Europe, APAC, GCC and North-Africa.
- ACES is serving 800+ millions worldwide annual users.
- The company's R&D department actively engages with IEEE, 5G, 6G, and Open RAN initiatives.



Global Presence





Ongoing Projects
3.3 B SAR



Offices
65+



Years of experience
28+



Maintenance Centers
100+



Integrated Security and
Fire Fighting



Clients
50+



Technical Building
Maintenance
65+



Million Annual
Users
200+



DAS Antennas
40,000+



ISO



Telecom Towers
Maintenance
13,000+



Data Centers
Maintenance
13+



Telecom Towers
Maintenance
13,000+



Licensed Operator
13+



Resources
4000+

- ACES engages with a wide range of partners, including universities, research institutions, and industry stakeholders
- Collaborations with academia and industry create a rich environment for innovation
- By aligning with both local and global partners, ACES positions itself for strategic growth.
- ACES has recently **co-developed shareable 5G Small Cell prototype with RANsemi** and is showcasing at SCWS 2025, London.



Shareable 5G Small Cell (O-RU) Development

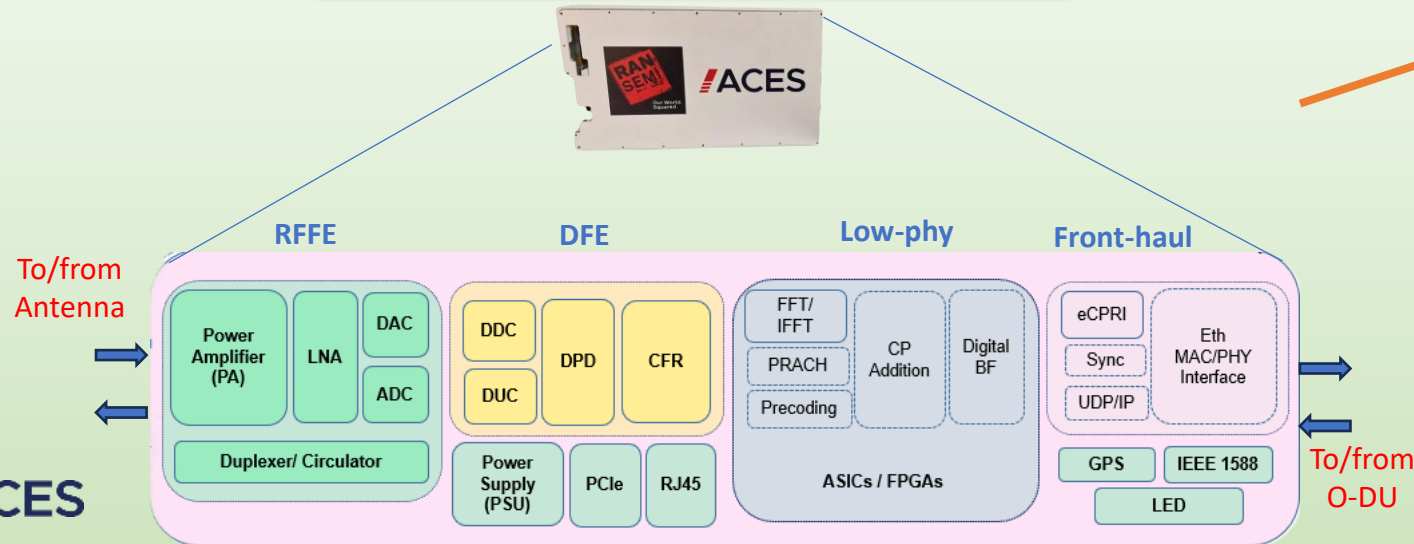
البرنامج الوطني
لتنمية تقنية المعلومات
National Technology
Development Program



ACES

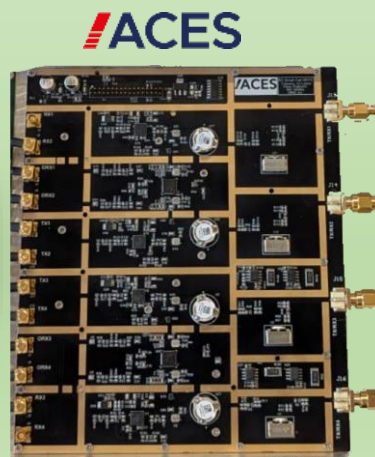
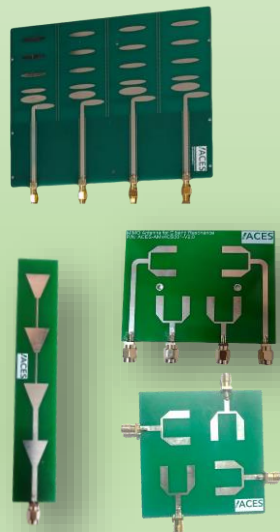
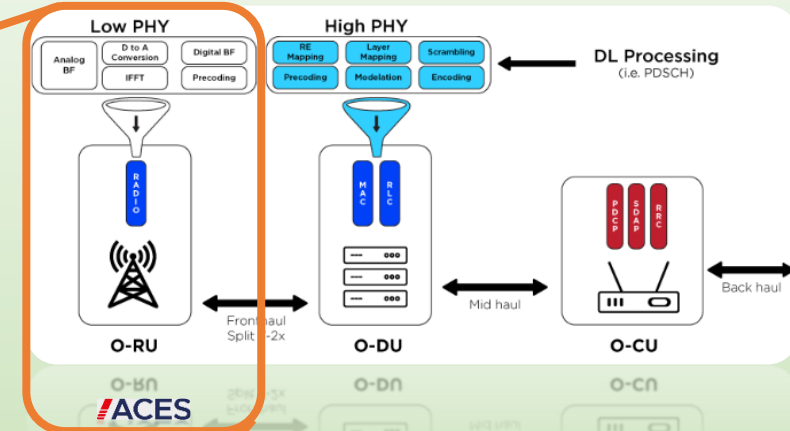


Layer - I Development

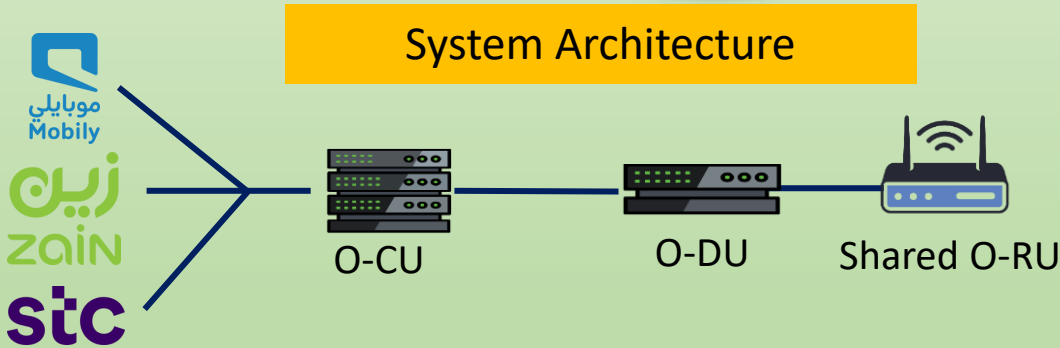
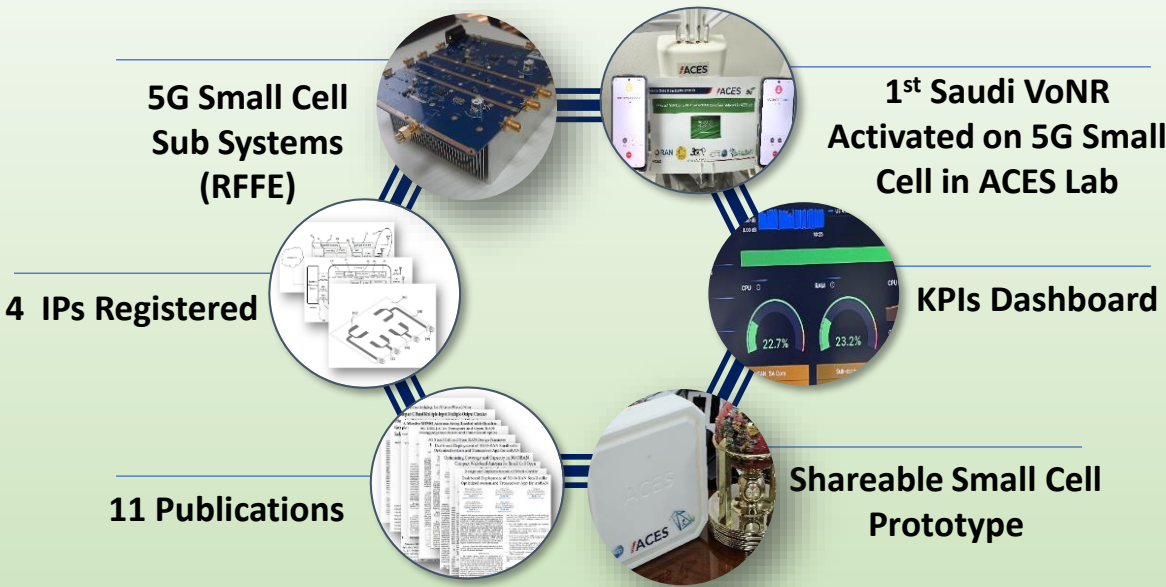


Open RAN Architecture

Layer - 1



ACES - Shareable 5G O-RU



We sincerely thank Saudi MCIT, NTDP, and RDIA for their invaluable support and guidance in our research and development.



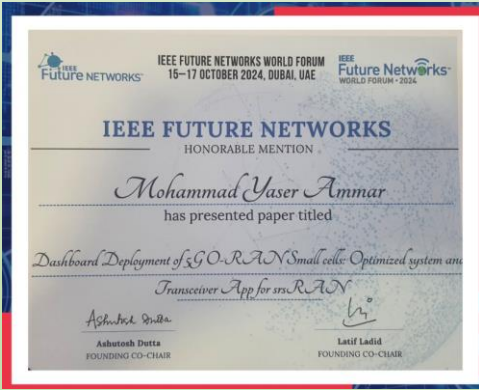
وزارة الاتصالات
وتقنية المعلومات
MINISTRY OF COMMUNICATIONS
AND INFORMATION TECHNOLOGY



هيئة تنمية البحث
والتطوير والابتكار
Research, Development
& Innovation Authority



Open RAN 6G Challenge Award by the Research and Development Authority (RDIA)



Authors

Atef A. Aburas
COO, ACES

Ali Ahmed
Manager R&D

Mohammad Yaser Ammar
Data Analytical Engineer

Thank You.