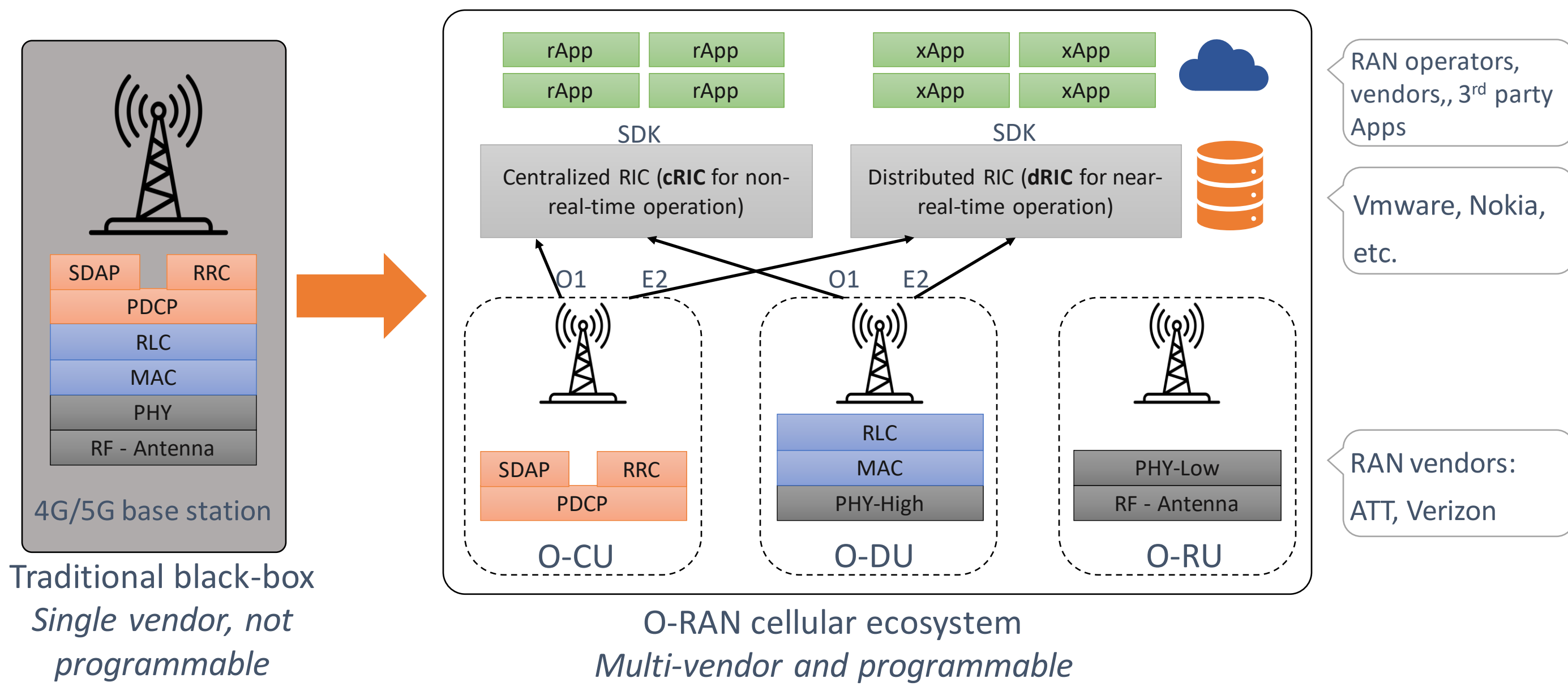
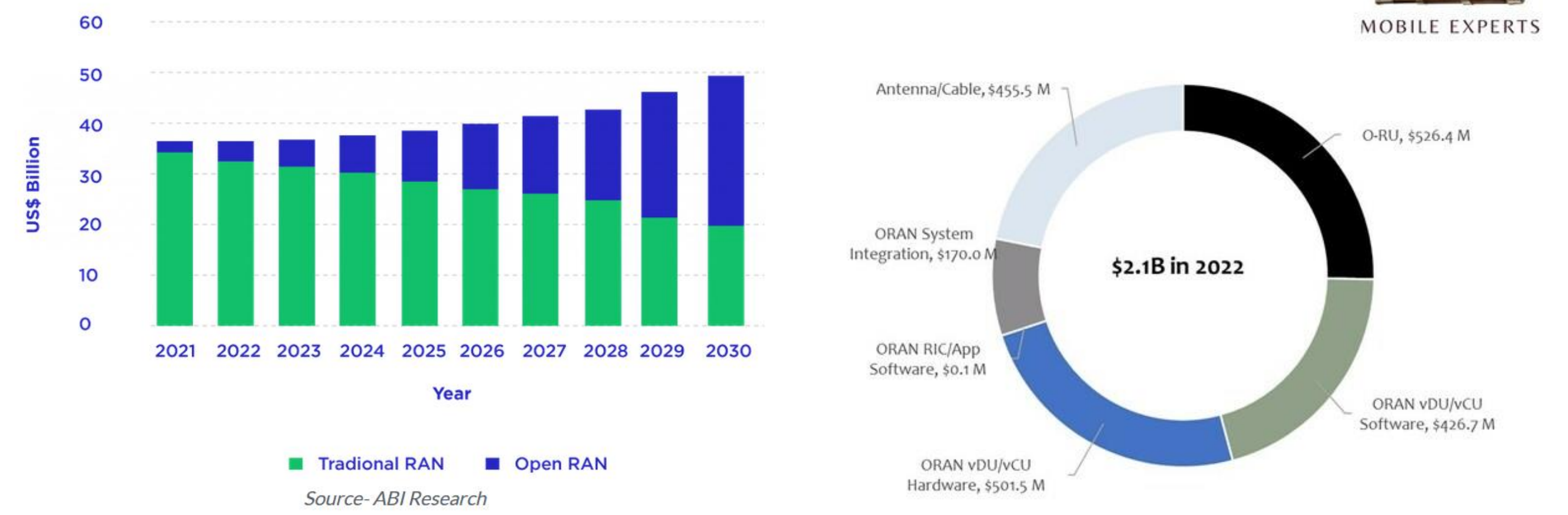


## Why O-RAN (Open-Radio Access Network)?



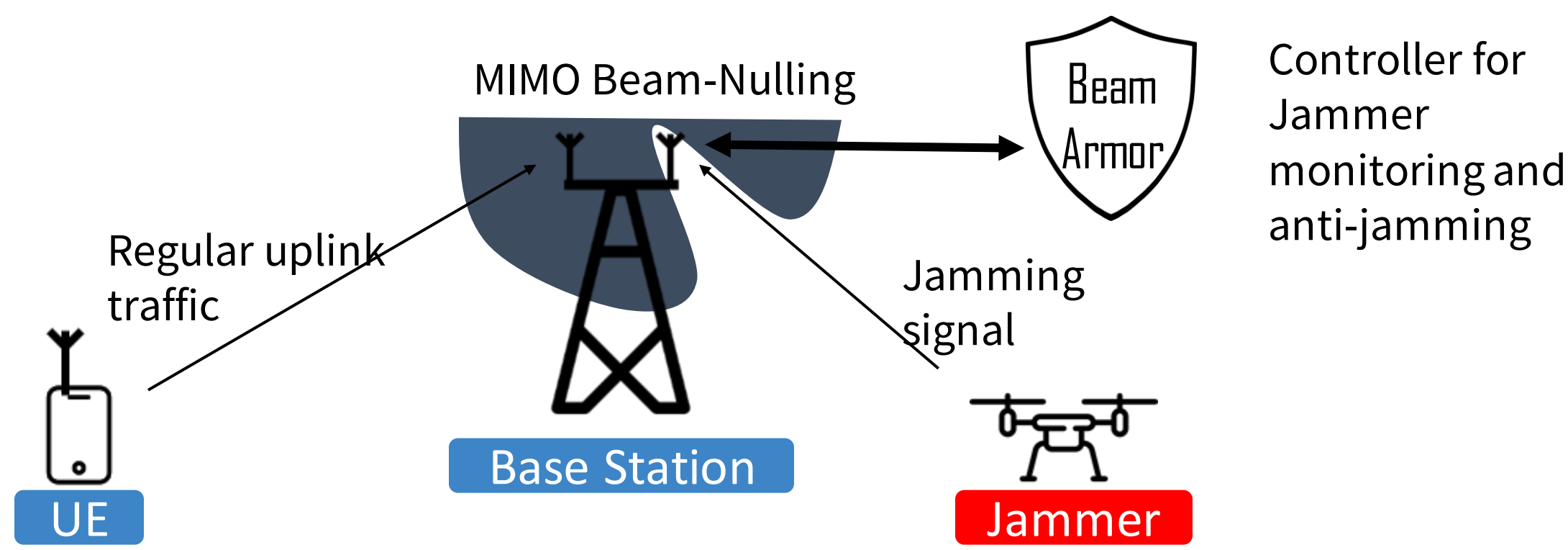
Enables operators to improve flexibility, customizability, agility, & performance in RAN

## Open-RAN is a revolution for 5G+ cellular networks



## BeamArmor: Overview

Jamming poses a significant threat to both cellular networks and military communication devices

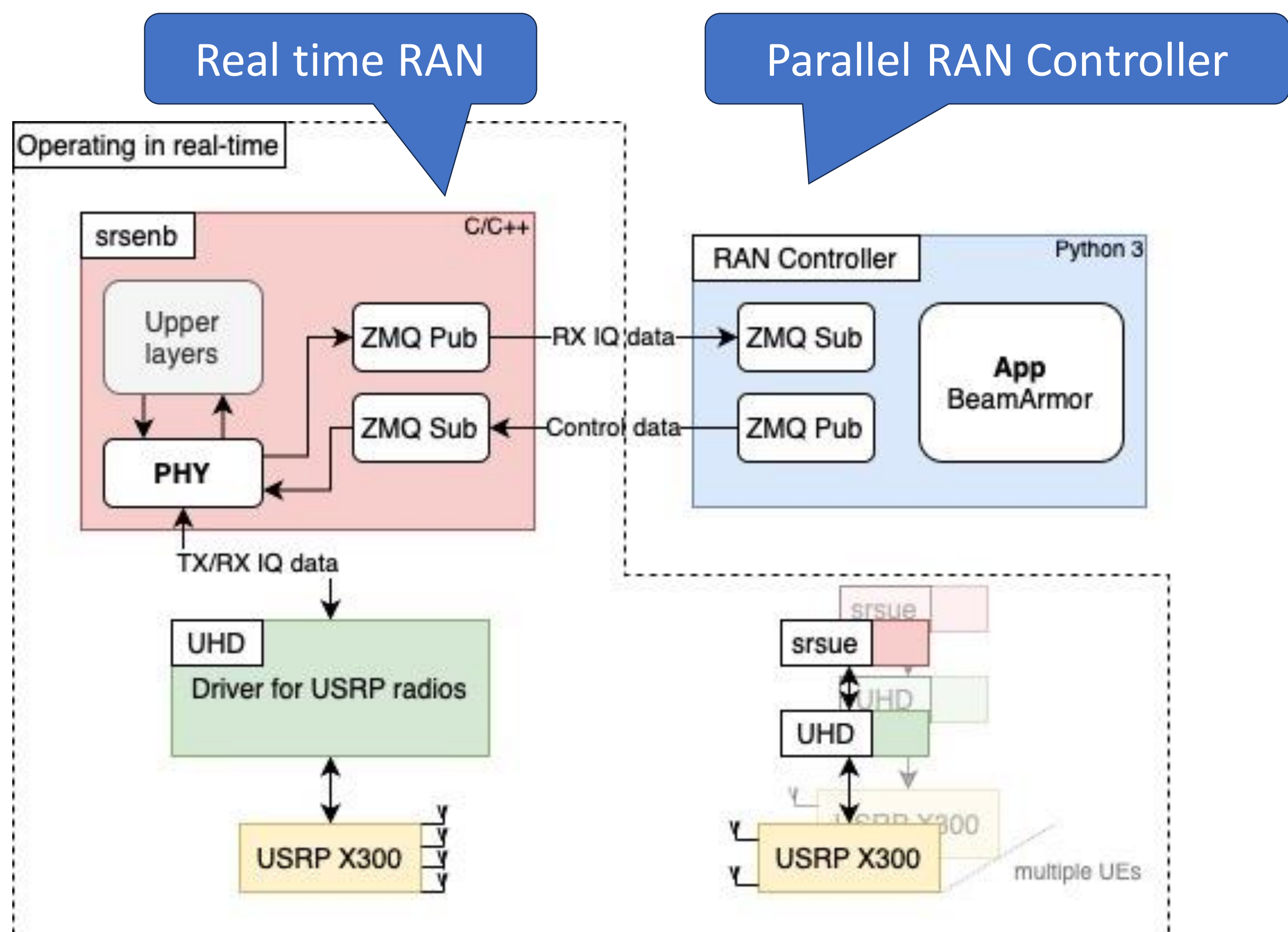


BeamArmor is a practical real-time controller for monitoring and nulling jamming attacks using MIMO

## BeamArmor: Lab Setup with srsRAN

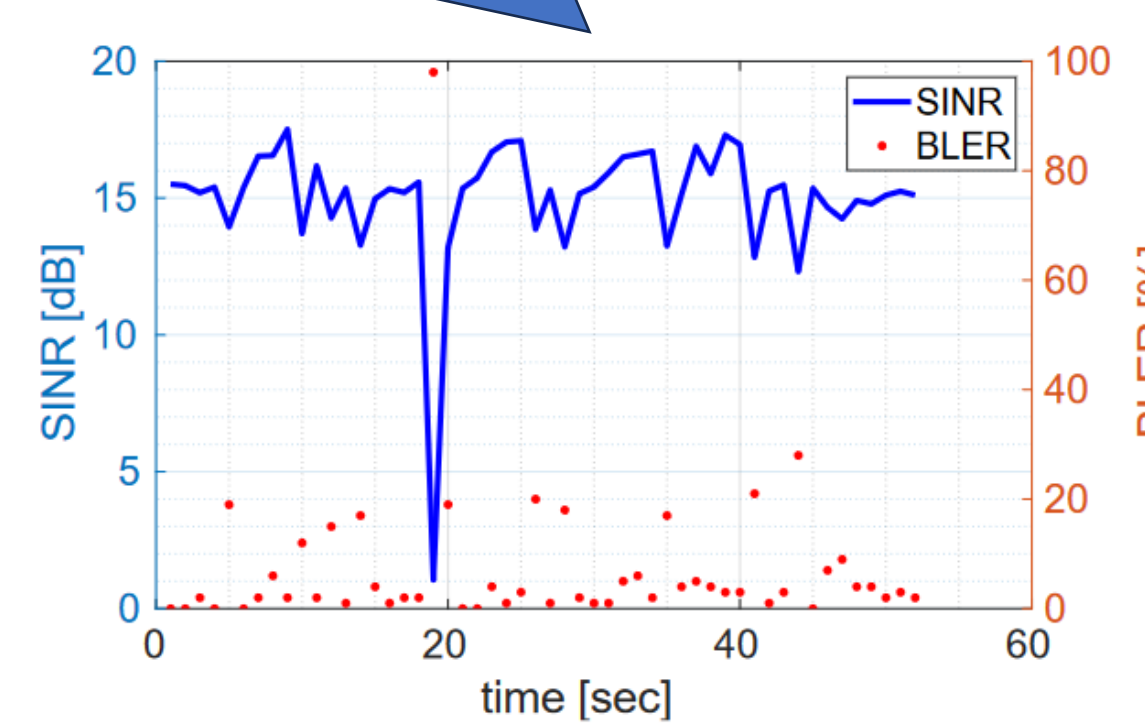


## Block Diagram: O-RAN + Controller

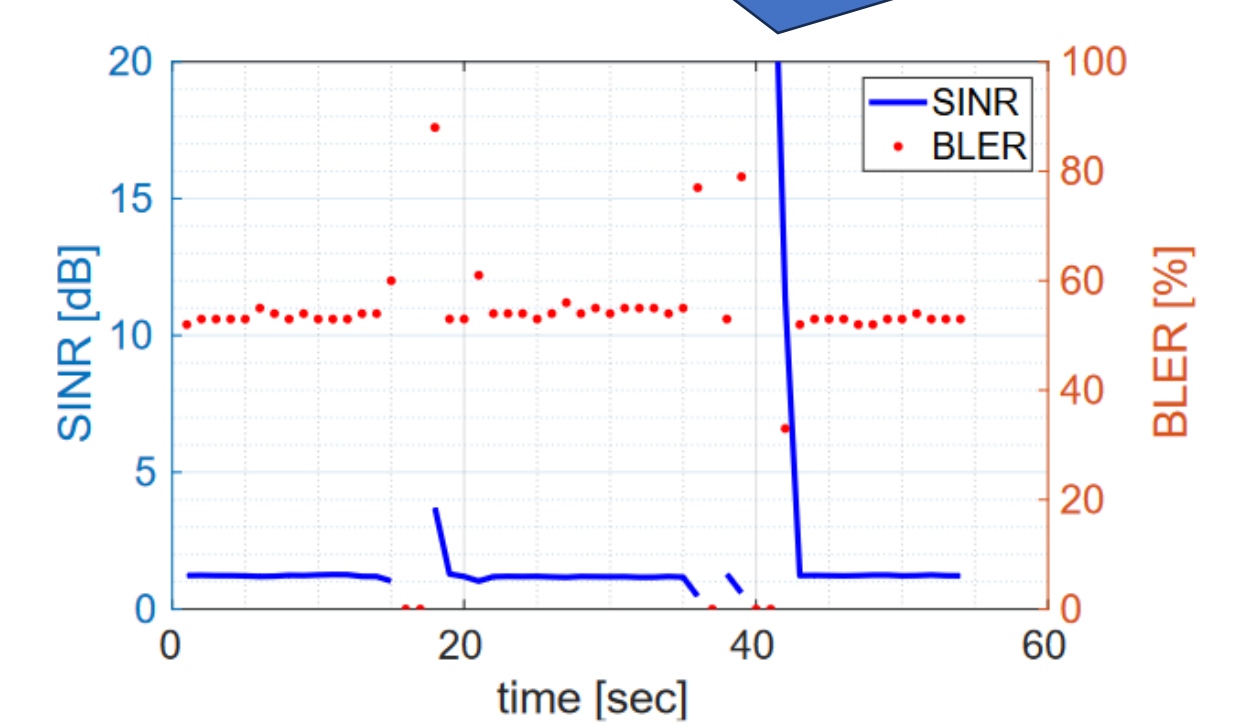


## Anti-Jamming Demonstration

Without Jammer



With Jammer



With BeamArmor

