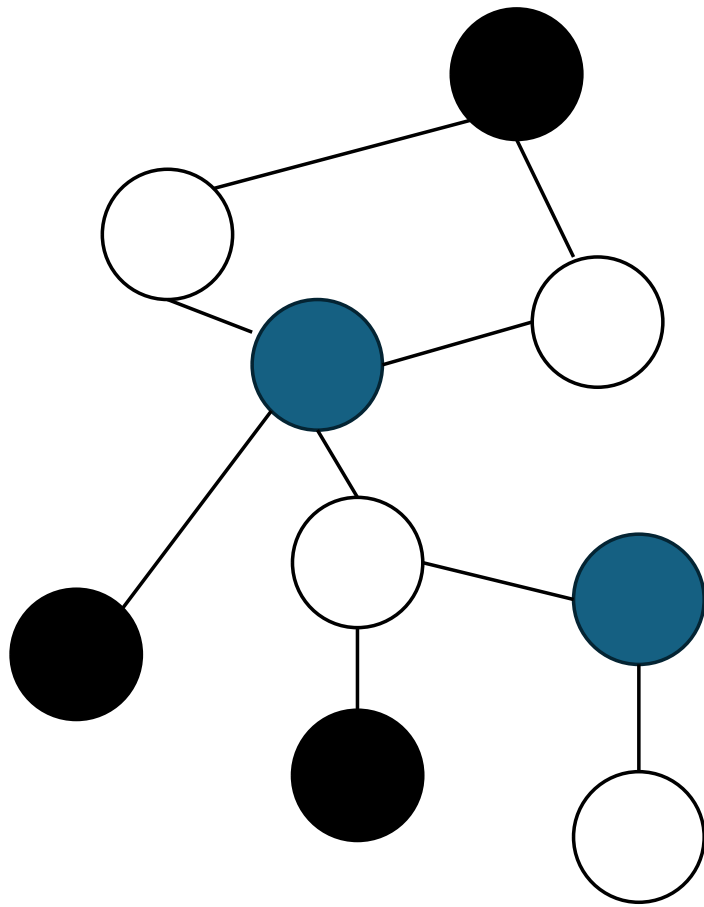




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**Aitor Murgui, Eloy Lloveras**

## EneRIC goals



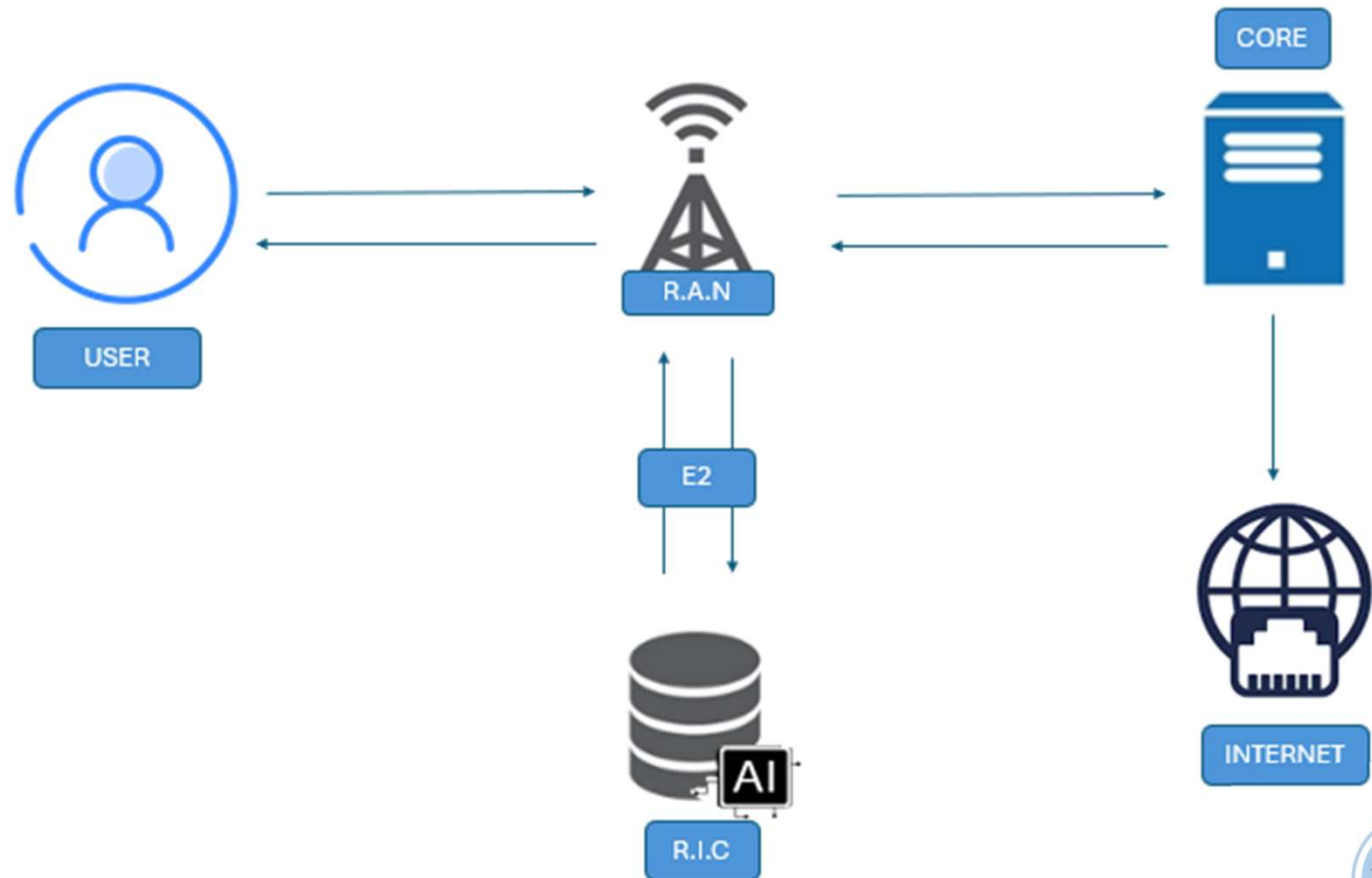
- EneRIC aims to deploy an open-source 5G network in remote villages and rural/suburban areas that currently lack connectivity.
- Key innovations in our approach:
  - Integration of a Near-Real Time RIC
  - Own xApp with AI model
  - Efficient resource allocation
  - Sustainable deployment in underserved regions.

**Goal:** Bridge the digital divide by providing affordable, scalable and intelligent connectivity solutions.

## EneRIC Architecture

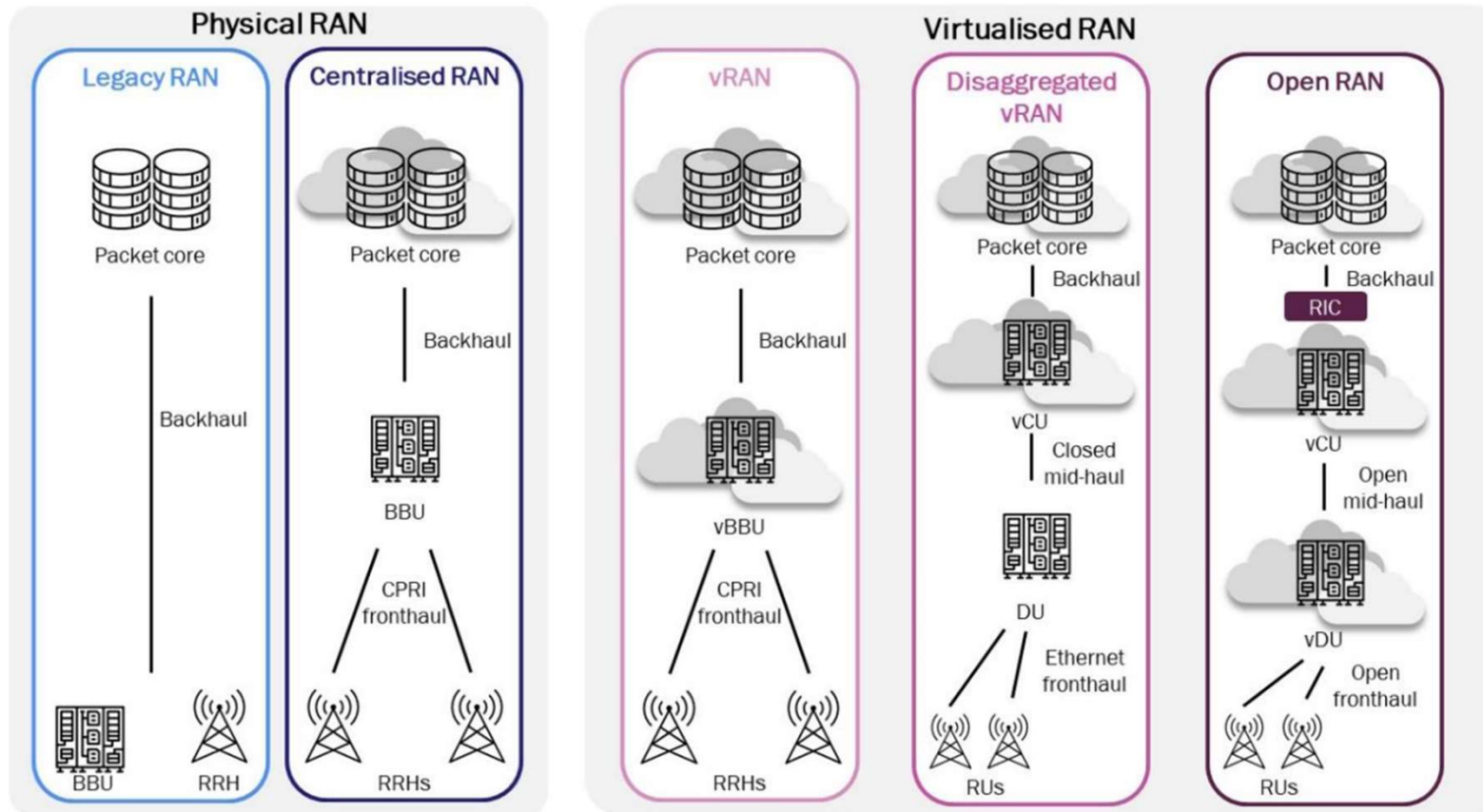






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## RAN Architecture



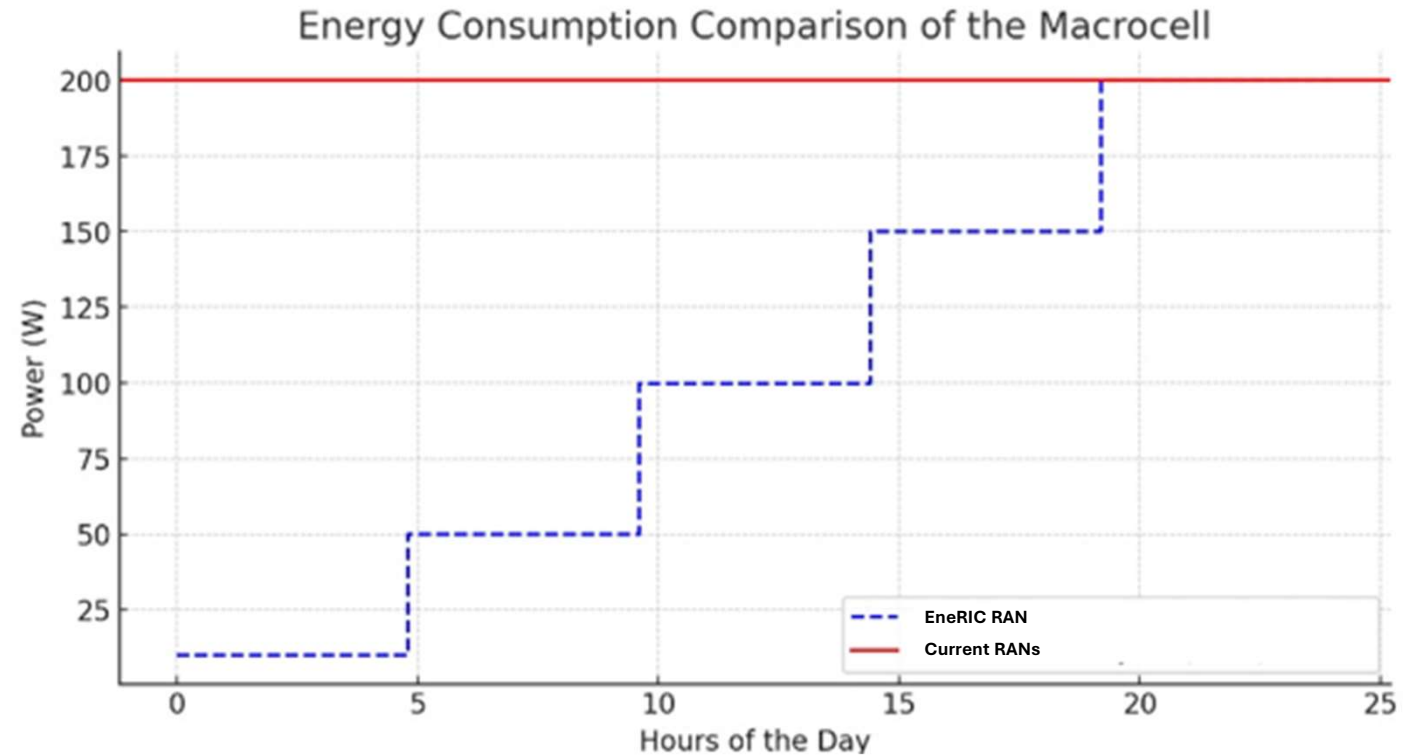
-  Interoperability
-  Cost-effectiveness
-  Resource Optimization
-  Scalable & Flexible

## EneRIC Comparative

**FLEXIBLE** service delivery, an QoE enhanced by AI model to adapt dynamically the network.

### ◆ Key Results:

- Constant Consumption: 4,800 Wh
- Variable Consumption:  $\approx 2,448$  Wh
- Energy Savings:  $\approx 49\%$



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## PESTEL

### POLITICAL



### ECONOMIC



### SOCIAL FACTORS



### TECHNOLOGICAL



### ENVIRONMENTAL FACTORS



### LEGAL FACTORS

