

Empowering the next generation of mobile network

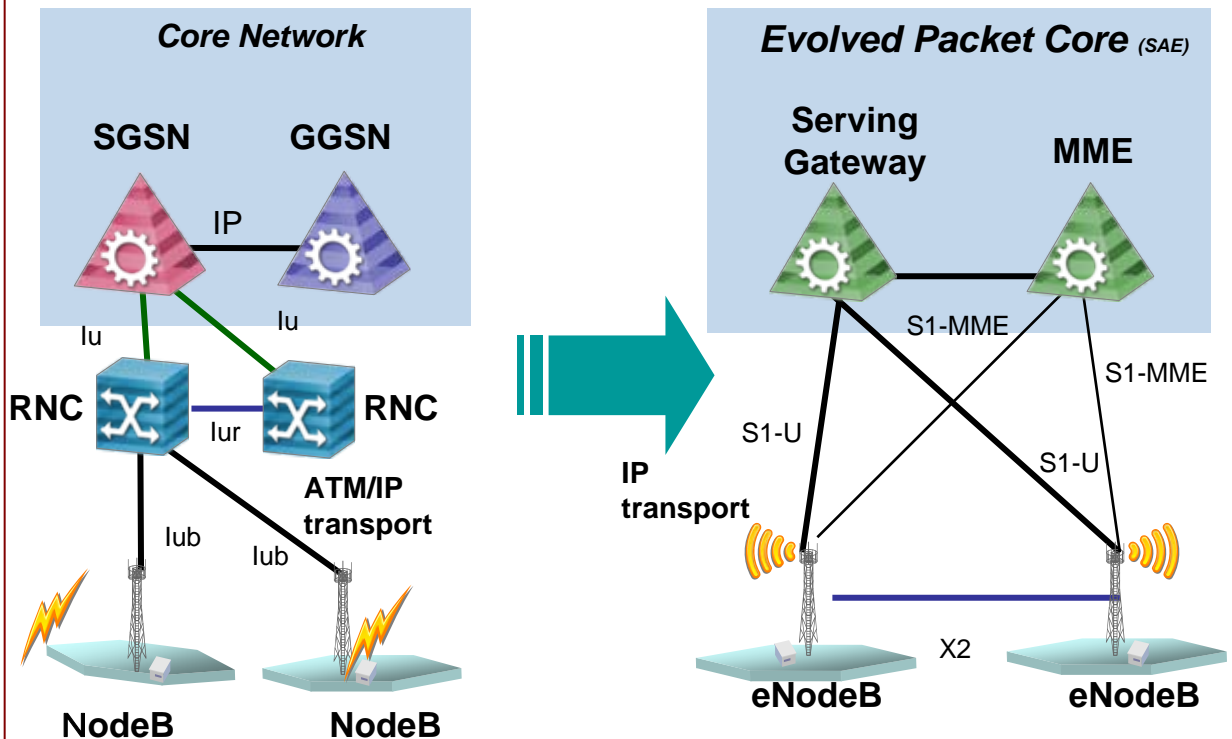
LTE (Long Term Evolution)

LTE offers: High speed , reduced latency, and cost efficiency

- OFDM technology
 - Increased spectrum efficiency for larger carriers and therefore increase capacity
 - lower cost per bit and lower prices for end-users
- Simplified protocol stack & all-IP network architecture
 - reduced latency
 - easier network management
 - CAPEX & OPEX savings
- Flexibilities and scalability in deployment depending on spectrum availability
 - operating in various frequency bands from 1.4 to 20MHz and therefore can be deployed in lower frequencies
 - operators can start with smaller deployment and increase bandwidth as users increase
 - supports resource aggregation for radio band resources

LTE Network Architecture

Flat architecture and all-IP network



NEC's LTE offers flexible deployment to meet customers installation needs

- Small size eNodeB
1U REC (Radio Equipment Controller)
- Simplified network architecture
Flat and all-IP architecture
- Flexibilities and scalability
Various type of modules in your existing network
(Stand-alone / outdoor / migration / Multi-standard RE*) *Radio Equipment



Green solution

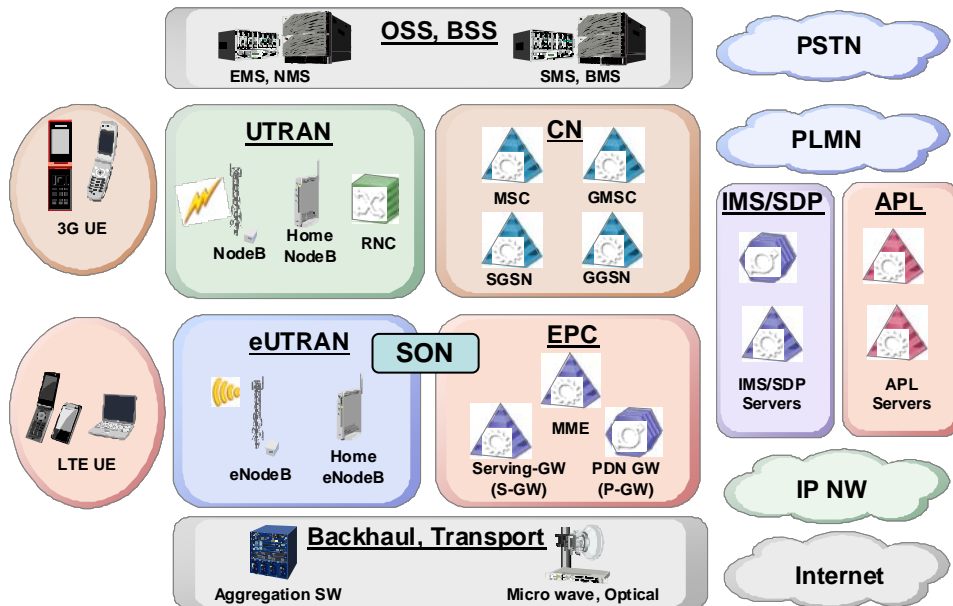
- Our eNodeB reduce power consumption by 25% compared with previous NEC products (NB880 / NB881)

NEC's LTE demonstration center

The center enables NEC to demonstrate high quality, end to end LTE systems that are comprised of subscriber terminals, core networks, application servers and wireless access products, such as compact base stations and remote radio equipments.



NEC's 3G/LTE End-to-End Solution



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