

Empowering the next generation of mobile network

Think Big. Buy Small.

The Smart Way To LTE

Investment with minimum capital through our compact design LTE and benefit from our Self-Optimizing Network (SON) to boost your profit by reducing costs. This combination of small footprint and low power consumption benefits both your business profit and its reduced carbon foot print towards a sustainable environment. As a global leader in IT and networking, we provide a full suite of integrated technologies to speed your network evolution.

Start building your next generation mobile network with a customized LTE solution from NEC.

NEC has been selected as a key LTE equipment supplier by several of the world's leading mobile operators, including W-CDMA and CDMA operators.

Cost Efficient LTE/SAE Deployment with Small Cells

Operator Status

- High data traffic and capacity requirements exist only at specific areas and are mostly generated indoors
- 2G and 3G networks already provide macro coverage and are likely to co-exist for many years to come
- Desire to minimise costs due to current economic downturn
- Desire to be ahead of competitors and improve user experience

Deployment Strategy

- Target capacity and high end data cards users – macro coverage to follow at later stages
- Deploy LTE initially as an overlay in high data traffic zones to boost user data card performance
- Deploy overlay and easy to install micro/pico eNBs
- Address indoor coverage and capacity with LTE femto enterprise

Operator Benefits

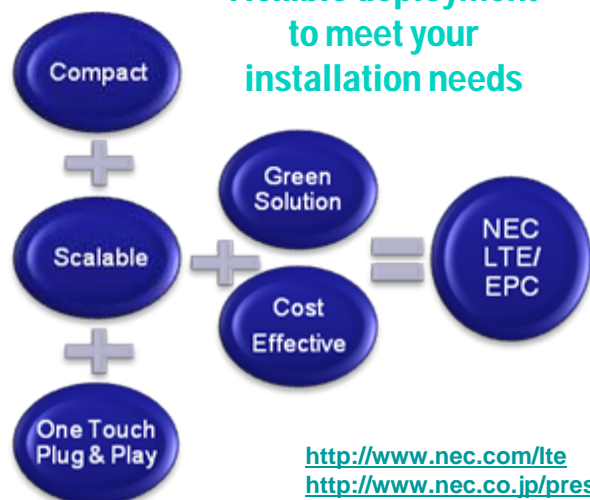
- Fast LTE deployment and service delivery to the end users in places where most revenue is generated
- Start small and build as your number of users increases – pay as you grow
- Control your spending by minimising integration with incumbent technologies and network complexity
- New business revenue and gradual investments

Macro vs Small Cells Solution

	Macro NW	Small Cell NW
CAPEX	●	◐
OPEX	●	◐
Deployment complexity	●	◐
Impact on existing NW	◐	◐

● more ○ less

Flexible deployment to meet your installation needs



<http://www.nec.com/lte>
<http://www.nec.co.jp/press/en/>

NEC's LTE/SAE Products & Solution

As a pioneer of the 3G and industry leader in LTE, once again, NEC aims to bring the best of breed in innovative products and solutions, design, development, planning, integration and optimization to lead the next generation mobile network. Our mission of LTE/SAE is to lower the barriers to entry for LTE through TCO optimized solutions available at a fraction of 3G pricing.

Self Organizing Network (SON)

NEC's next generation radio network management

SON is a key driver for lowering TCO. It aims at improving the performance as well as reducing the cost of installation and management by simplifying operational tasks through automated mechanisms such as self-configuration and self-optimization.

NEC's Hybrid SON Server Functionalities

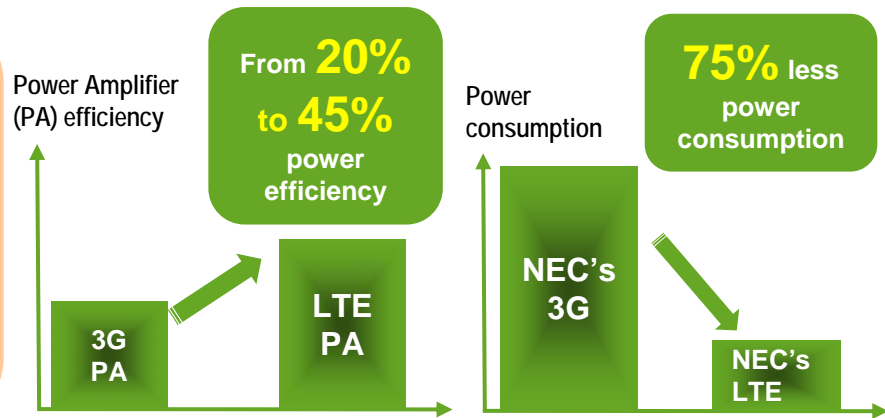
- Self Planning
- Self-configuration
- Self-optimization
- Self-healing
- Energy Saving
- Planning Tool Optimization
- SON for LTE Femto

Green Mobile

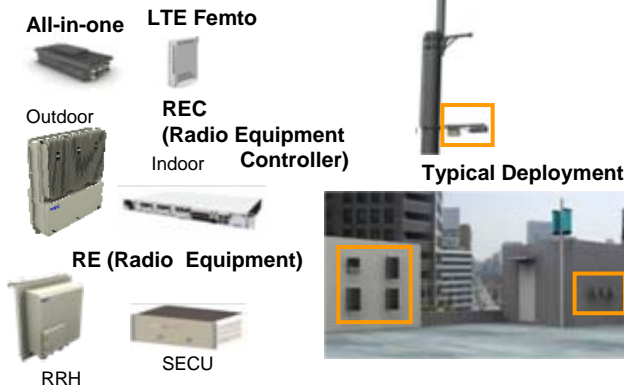
NEC's Commitment to the Environment

NEC reduces the impact on the global environment and contributes to building a sustainable society

- Power; efficient hardware
- Intelligent energy efficient software
- Reduced CO2 emissions with state of the art devices and chipsets



eNB



Scalable & flexible deployment

Zero footprint

Ideal for overlay LTE

One man delivery

No Cooling fan

EPC

Compact EPC



Compact to Full Scale EPC

Standard aTCA platform

Open platform for latest technologies

NEC Corporation

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