Thinking Network Think Beyond

SON, Operator's Inevitable Choice

- Evolving networks require higher optimization efficiency
- Complex Scenarios and Services require Close-loop Automation
- New technologies require fast delivery to increase ROI
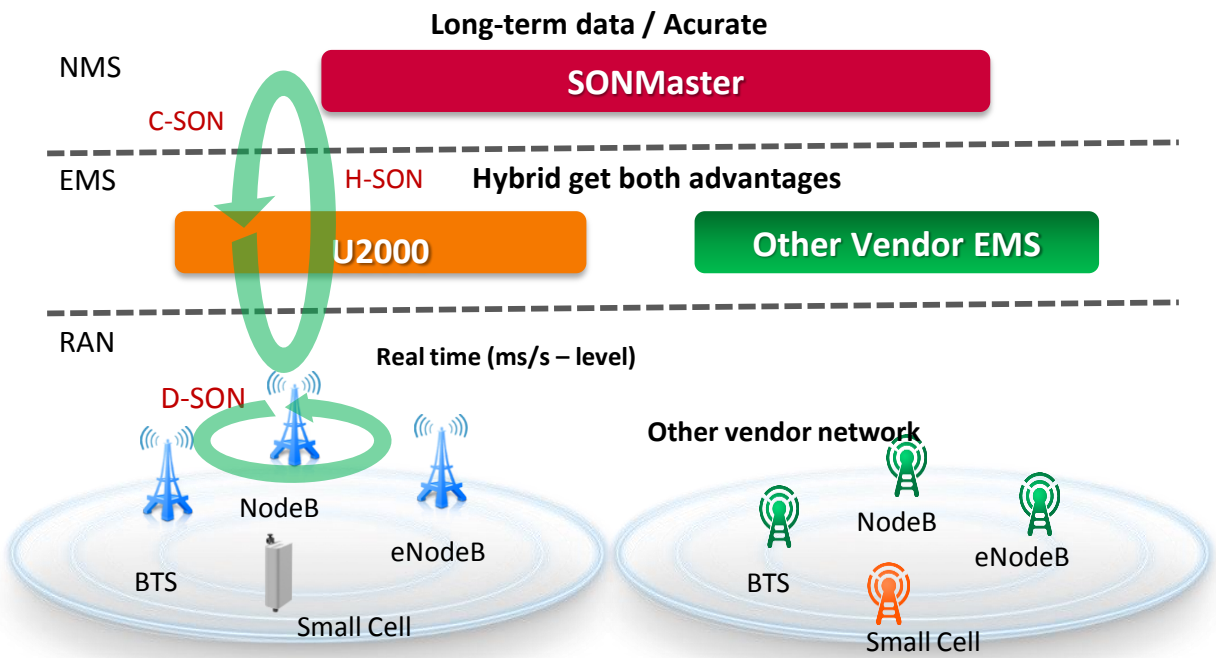

Automation with RF **engineers brains**

Give the best **customer experiences**

Maximum utilization of the **investment**

SingleSON Architecture

- Better Synergy: as RAN vendor, SingleSON naturally has better synergy with Huawei RAN
- Faster: locate the problem in real time and solve in 3 mins
- Higher Accuracy: richer data resource and more deployment experience

Long-term data / Acurate

NMS — C-SON — **SONMaster**

EMS — H-SON — **Hybrid get both advantages** — **U2000** — **Other Vendor EMS**

RAN — **Real time (ms/s – level)**

D-SON

NodeB, eNodeB, BTS, Small Cell

Other vendor network: NodeB, eNodeB, BTS, Small Cell

SingleSON Highlights

Network Oriented SON
Improve Efficiency & Performance

CCO ANR
MLB IDO
IIM CODC

Residential, Motorway, Metro

Scenario Oriented SON
Provide Quality Assurance

High-speed Train
Massive Event Handling
Motorway

Service Oriented SON
Improve Service Experience

VoLTE
Video

SingleSON All Over the World

Up until Q1 2016, SingleSON has been deployed in more than 180 live networks, in which C-SON has been deployed in 40 networks.
Vodafone: deployed in 17 sub-networks
Hangzhou Unicom, China: the world's first LTE C-SON trial in live network.

CCO: Coverage & Capacity Optimization
MLB: Mobility Load Balancing

IIM: Intelligent Interference Management
ANR: Automatic Neighbor Relations

CODC: Cell Outage Detection & Compensation
MEH: Massive Event Handling