

Smart Meter System



CN WIDERS
Create Network

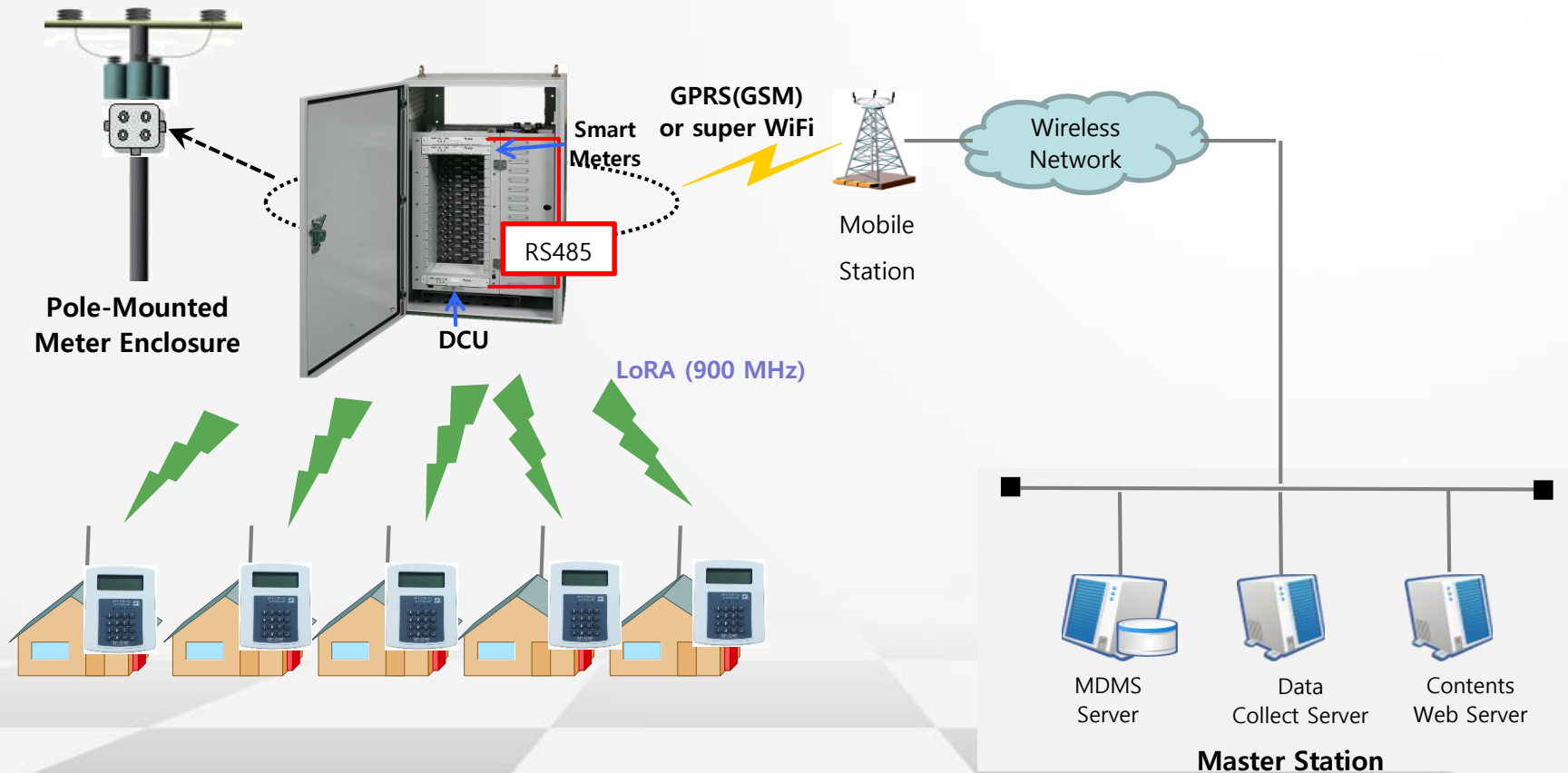


1. Smart Meter System : Configuration

All devices such as smart meter, DCU and CDU has been tested and enrolled in Republic of Korea's supplier certification. Each device can communicate through various connection protocol.

ENT Korea will deliver Pole-Mounted Meter enclosure for Anti-Theft requirement.

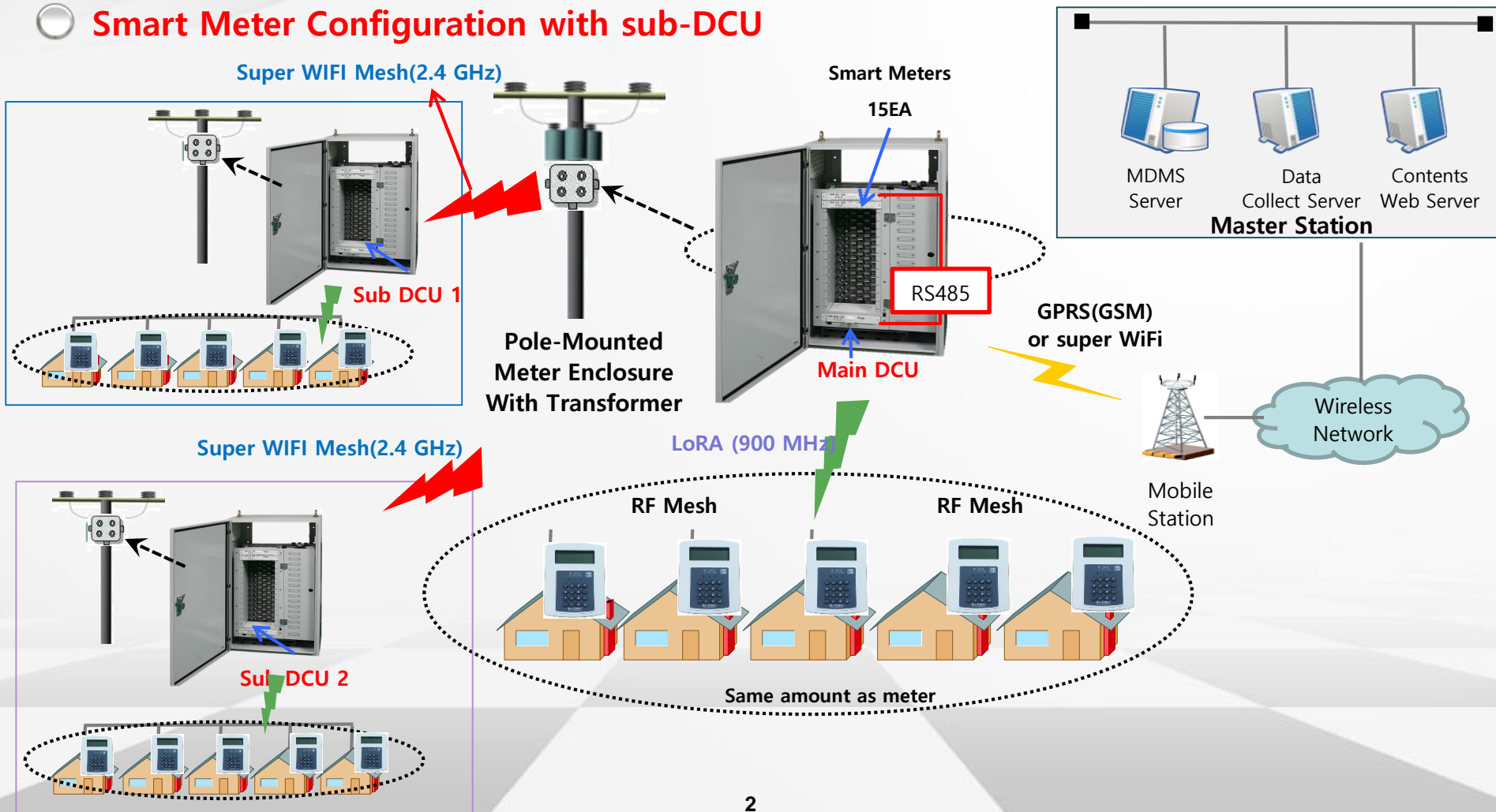
○ Smart Meter Configuration



2. Smart Meter System : Configuration with sub-DCU

It's installed AMI meters of maximum 15EA in a enclosure. A transformer is connected to a Main DCU(communicated with Master Station), Sub DCUs(communicated with Main DCU by WIFI MESH). Main DCU and Sub DCU are communicated by WIFI MESH(2.4 GHz). Each DCU are communicated with CDU by RF MESH(900MHz).

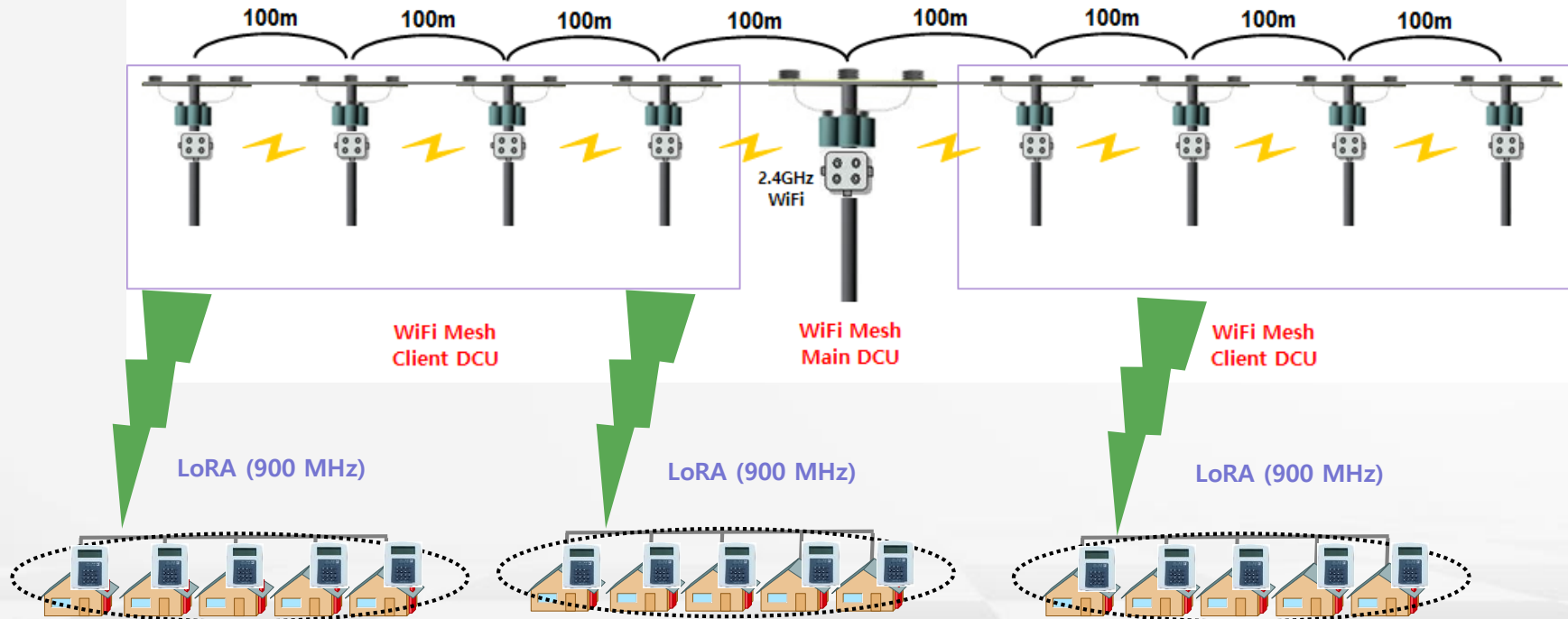
Smart Meter Configuration with sub-DCU



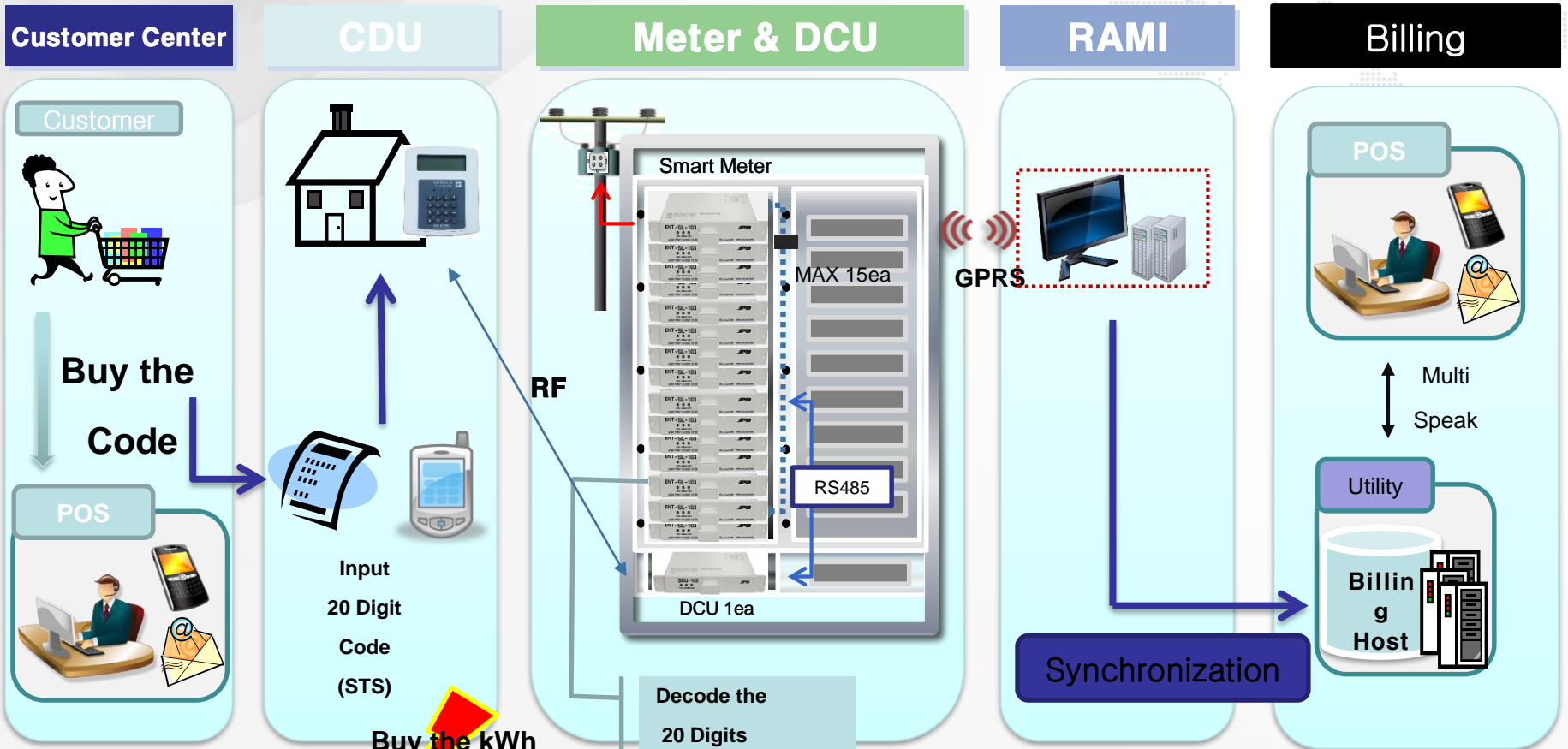
2. Smart Meter System : Configuration from Main to Sub DCUs

A Main DCU is communicated with Sub DCUs(**Max. 6EA to 8EA**) by WIFI Mesh. Each DCU is communicated with CDUs(Max. 15EA) by RF Mesh.

Smart Meter Configuration with WiFi Mesh (Main DCU 1 + Sub DCU 8)



Suggestion - 2



Buy the kWh

Buy			100\$		
Consumer Use (kWh)	10	11	12	13	14
Remainder (kWh)	3	2	32	31	30
Remainder(\$)	10	9	109	108	107

Decode the 20 Digits by Meter

- Using the STS(IEC 62055)
- The 20 Digits is the Token
- Customer input the 20 digits to CDU