### **IPLOOK**

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modifier\_ob.selecte1
bpy.context.scene.objects.active = modifier\_ob
print("Selected" + str(modifier\_ob)) # modifier ob is th
milrror ob.selected

## **IPLOOK Technologies Co., Ltd**

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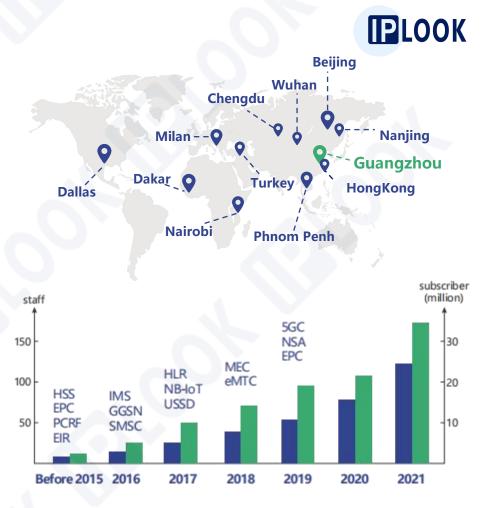
### **03** Solutions

### 04 Advantages

# 01 Company profile

### **Brief Introduction**

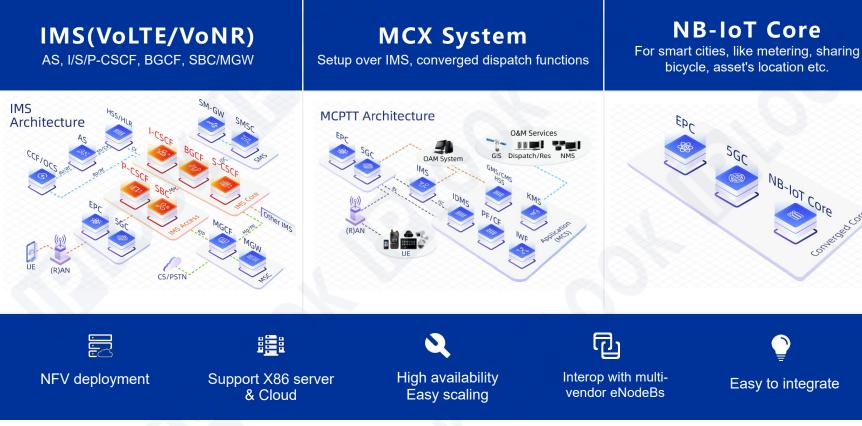
- IPLOOK, a global leader of end-to-end mobile core solutions
- Over 10 years professional experience in telecom
- 200+ employees with over 80% are R&D or technical engineers
- Full stack of 3G/4G/5G/IMS core networks
- Customized solutions for MNO, WISP, MVNO, Private Networks
- 50M+ subscribers covering over 50 countries
- **500+** commercial deployments globally in Africa, West Europe, North America, Southeast Asia, Middle East etc.
- 24×7 hotline and online support



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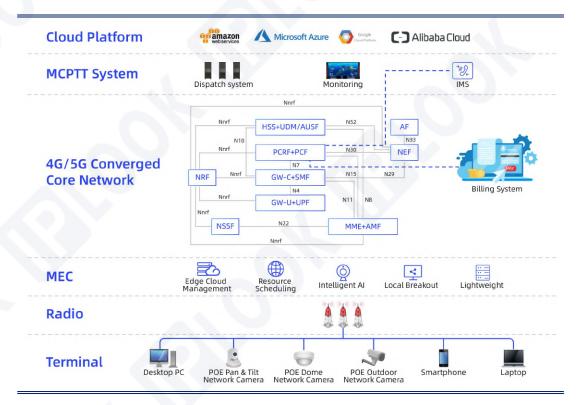




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#### End-to-end 4G/5G Converged Solution

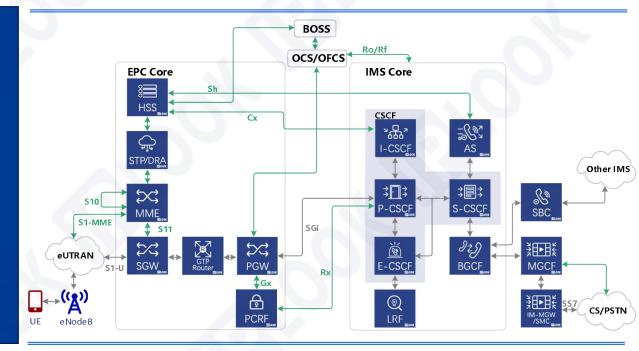
- A Turn-Key 4G/5G Wireless Solution: Radios + Core Network(4G/5G Data + VoLTE or VoNR) + BSS/OSS Systems + CPEs
- Fully virtualized EPC/5GC on X86 COTS hardware and Cloud
- Multi-vendor radios supported, 3rd Party application supported
- Processing scalability supporting 1,000 to 1,000,000 subscribers





#### **Solution for MNO**

- Replace existing 2G&3G sites by 4G sites.
- Upgrade the traditional 2G&3G core network to NFV core network.
- Upgrade the OSS/BSS to new system with OCS.
- Our new core network is 5G ready platform. It would be upgraded to support 5G NR smoothly.





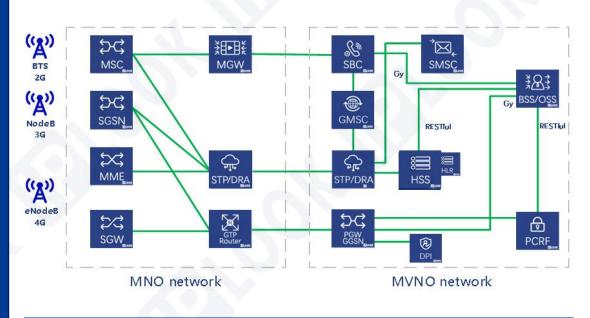
#### Solution for MVNO

IPLOOK enables MVNOs to become Light MVNO(with HSS/HLR,BOSS), Full MVNO(with more like, STP, DRA, GTP- Router, PGW/GGSN, PCRF, SMSC/USSD) and MOCN operator(with more like MME, SGW, SGSN, MSC, GMSC).

#### Application scenario:

International roaming for tourists & M2M **Key benefits:** Field-proven proposal for MVNO

Lower CAPEX & OPEX

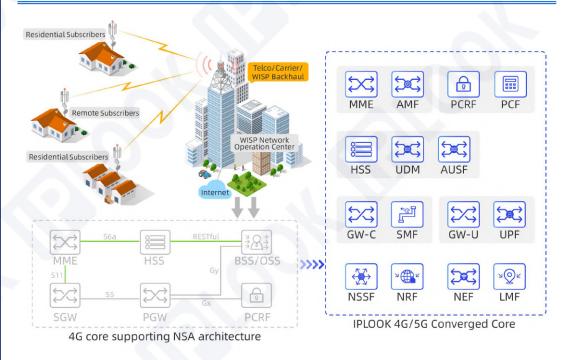




#### **Solution for WISP**

Fixed wireless access over LTE for data service instead of FTTX, LAN or ADSL. **Application scenario:** Remote country; Home internet services **Key benefits:** 

Multi-vendor's eNodeBs supported Multi charging mode: RADIUS, OCS, CG







#### **Solution for Private Networks**

#### **Application scenario:**

Private network for mines communication, police communication, power grid etc.

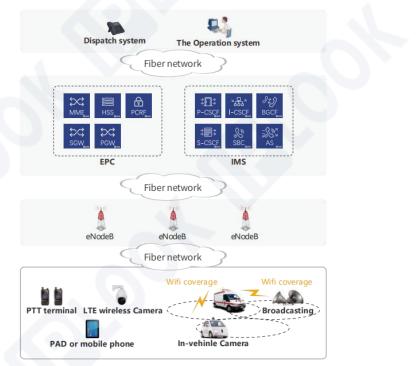
Services:

Data, VoLTE, VoNR, MCPTT, SMS

#### Key benefits:

Rich industrial network experiences

Better customization capability



The end-to-end solution for Police or Mining



#### **Solution for islands**

#### Application scenario:

LTE network designed for islands

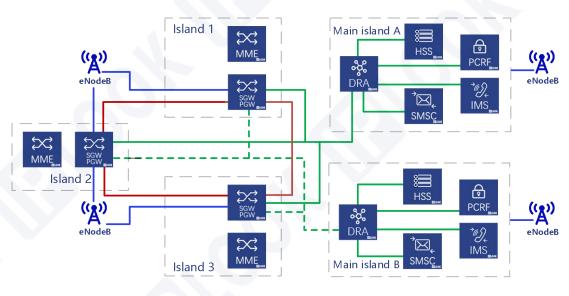
#### Services:

Data, VoLTE, CSFB, SMS

#### Key benefits:

High-quality network services with long latency transmission environment Swift rollout of the new-built 4G network 1+1 standby mode

Resource sharing



#### LTE deployment designed for islands



#### Solution for NB-IoT

#### Application scenario:

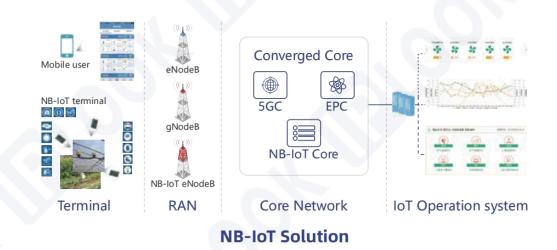
The NB-IoT core for both operator and private networks. With the solution, the IoT terminals or sensors can be some power saving NB-IoT or eMTC devices.

#### Services:

Small amount data transer

#### Key benefits:

CAPEX-saving solution with lite eNB and core converged LTE and IoT core





### Advantages

### Certificates

- 4G/5G full core network elements access certificate in China
- CMMI-3 and ISO9001 certificates

中华人农汽和区

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**中华人民共和国工业** 

电信设备进网

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电信设备进网

- 80+ software copyrights and 100+ patents in core network field
- An official member of 3GPP, GSMA, GSA,
   O-RAN, WISPA, TIP, CCSA organization



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PLOOK

### **Advantages**

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#### Worldwide use cases

IPLOOK has accumulated **500+ commercial deployment** in the last 10 years. With **open interfaces**, its 3GPP- compliant 3G/4G/5G core network could be easily integrated with legacy network.



#### The full stack core network

It has 3G, 4G and 5G full core network to ensure a **smooth upgrade**. With its open architecture, IPLOOK's core network supports multi-vendor bases stations and CPEs.



#### **Tailor-made solution**

IPLOOK provides all size scalable networks with **pay-as-you-go model** to satisfy various requirements of operators and enterprises. Onsite services and 7\*24 support are included.



#### Save CAPEX & OPEX

With the compact deployment and virtualized deployment, our **NFV-based** core network software is scalable, flexible, easy to deploy and manage at a low cost.

### Roadmap

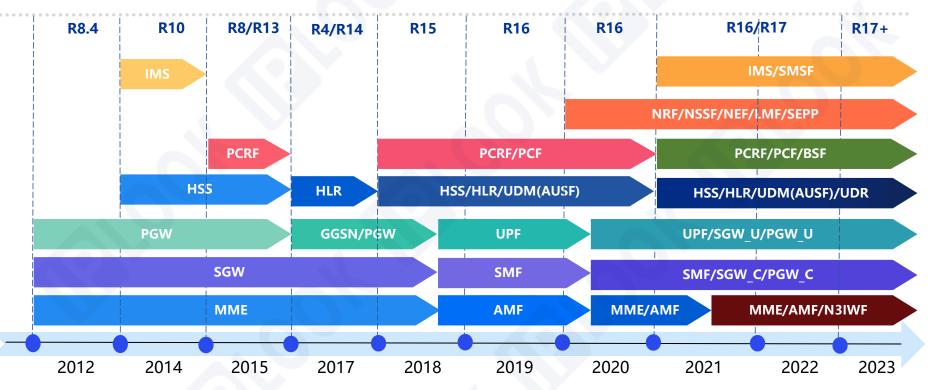
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V 4.2	V 5.2	V5. 6	V 6.7	V 8.7
5GS/EPS interworking with N26 EPS Fallback 5GS/EPS Handover 3GPP R15 OMC Release Cloud 5GS Integration 4G Lawful Interception Interfaces LEO Core • GMS Trail NES • MME/AMF • HLR/HSS/UDM/AUSF • EIR • SGW/PGW/GGSN • PCRF/PCF • PGW_C/SMF • PGW_U/UPF • NRF • NSSF • IMS • SBC	<ul> <li>3GPP R16</li> <li>5G Lawful Interception China 5GS Network Elements</li> <li>SEPP Trial</li> <li>IMS 5G Compliance</li> <li>N5 Interface</li> <li>Performance Enhancement</li> <li>MGW 40G Platform</li> <li>GTP-Router 40G Platform</li> <li>ARM Platform Adaption Fully CUPS Architecture</li> </ul>	<ul> <li>TSN Trial</li> <li>SEPP Release</li> <li>NEF Release</li> <li>UDR</li> <li>UPF 100G Platform</li> <li>LEO Core</li> <li>GMS Release</li> <li>R17 Feature Compliance</li> <li>Misc</li> <li>MCPTT Trial</li> <li>V2X Prototype</li> <li>Space-Integrated-Ground</li> <li>Networks</li> <li>Simulation Platform</li> <li>Lawful Interception Enhance</li> <li>Location Service Function</li> <li>Lawful Interception ETSI</li> <li>SEPP</li> <li>NWDAF</li> </ul>	<ul> <li><b>3GPP R17</b></li> <li>TSN Release</li> <li>R17 Feature Compliance</li> <li>V2X Trial</li> <li>5GC+AI Advanced Research</li> <li><b>Space-Integrated-Ground</b></li> <li><b>Network Core</b></li> <li>GMS Enhancement</li> <li><b>Adaptation to Cloud Platform</b></li> <li>VMware Cloud Platform</li> <li>AUS Cloud Platform</li> <li>ALI Cloud Platform</li> <li>General OpenStack Cloud platform</li> <li><b>100Gbps Platform</b></li> <li><b>UDR Policy Integrating</b></li> </ul>	<ul> <li>SGPP R18</li> <li>TSN release</li> <li>V2X release</li> <li>5G-Advanced LEO</li> <li>commercial</li> </ul>
Q4 2021	Q2 2022	Q4 2022	2023	2024~2025

### **Product Release**



#### **3GPP Release**



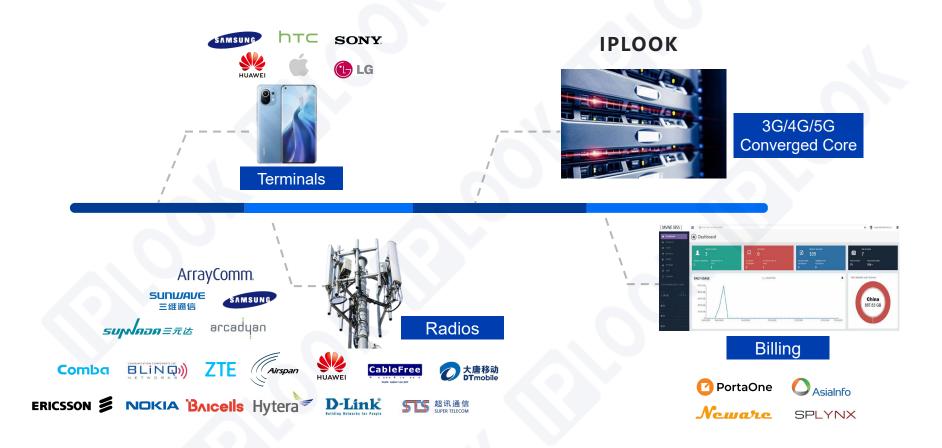
### **Clients & Partners**





### **Industry Cooperation**





## **THANK YOU**



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