LONLORD

Innovation
Efficiency
Win-Win

LonLord Industry Group

SMART LONLORD

Our Smart Lonlord Solutions

- Smart Meters (Electric, Water, Gas), Prepaid & Postpaid
- Cloud Seeding (artificial Rain making)
- Smart Transport (Electric solar Busses and Marine transport)
- Ground Penetrating Radars (Utilities and mining)
- Power Plants (Electricity Plants Turbines and Gensets)
- Heavy Lifting Transport UAV up to 3.5 tonnes
- Military Drones and Robots
- Energy Storage Skids and Stations
- Solar Farms and Fast deployment solar panel containers

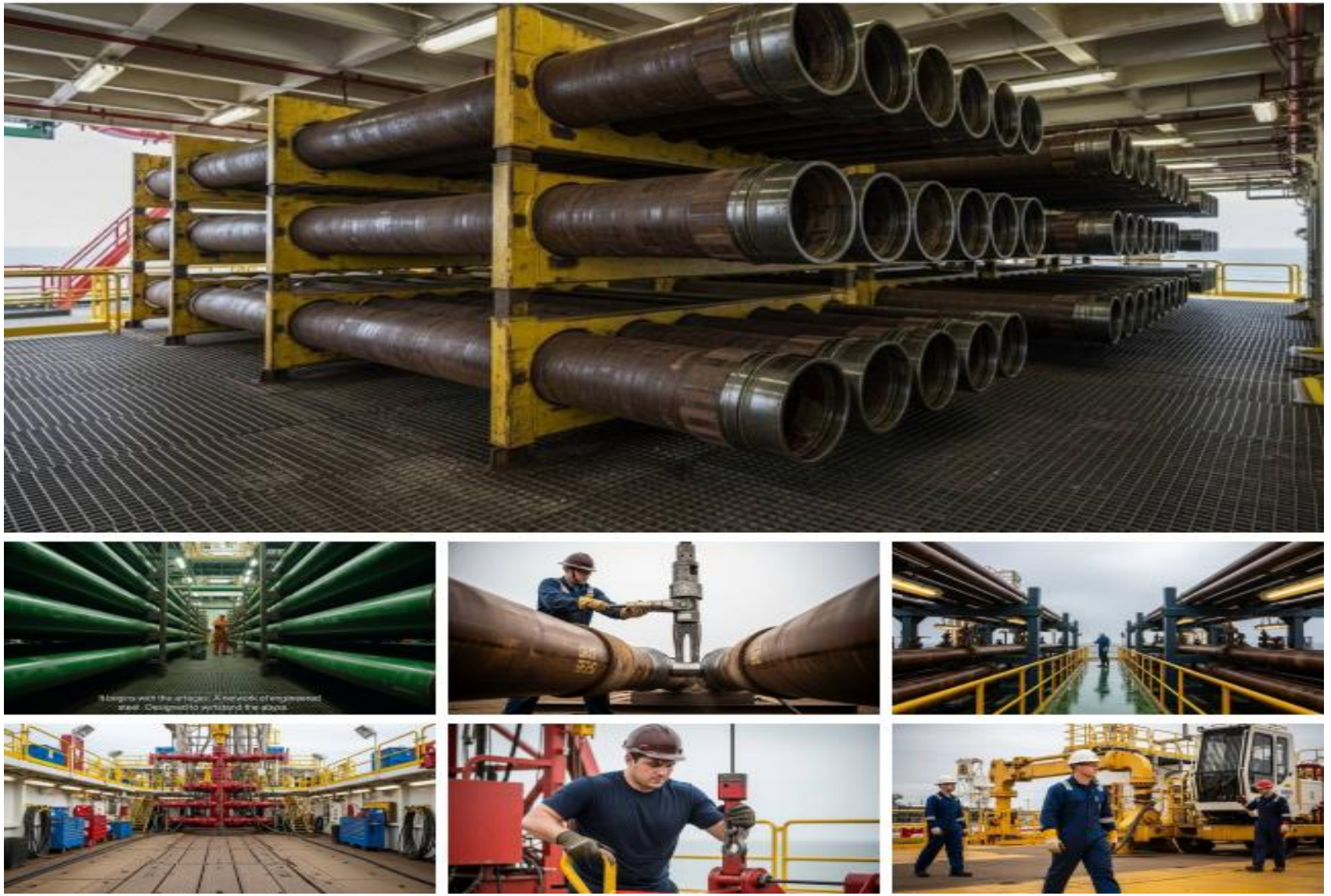
Our Smart Lonlord Solutions

- MIC Modular Buildings and Site Management
- Oilfield and refinery Supplies
- Port traffic vehicle management systems
- Tollway and highway management solutions
- Firefighting and mixed mission solutions
- Smart Water Comprehensive Management System
- Smart Medical Healthcare, Hospital management, NCS, Outpatient++)
- Intelligent Buildings

Our Smart Lonlord Solutions

- LonLord New generation weapon storage and tracking system Solution
- A high-end, comfortable, safe, and technologically advanced smart community
- Smart Park Comprehensive Management System
- Smart Agriculture (Green house control)
- Smart Schools Education, Campus and classroom systems
- Smart Banking Complete solution (Smart comprehensive CRM ATM)
- Smart City
- Smart Hotels

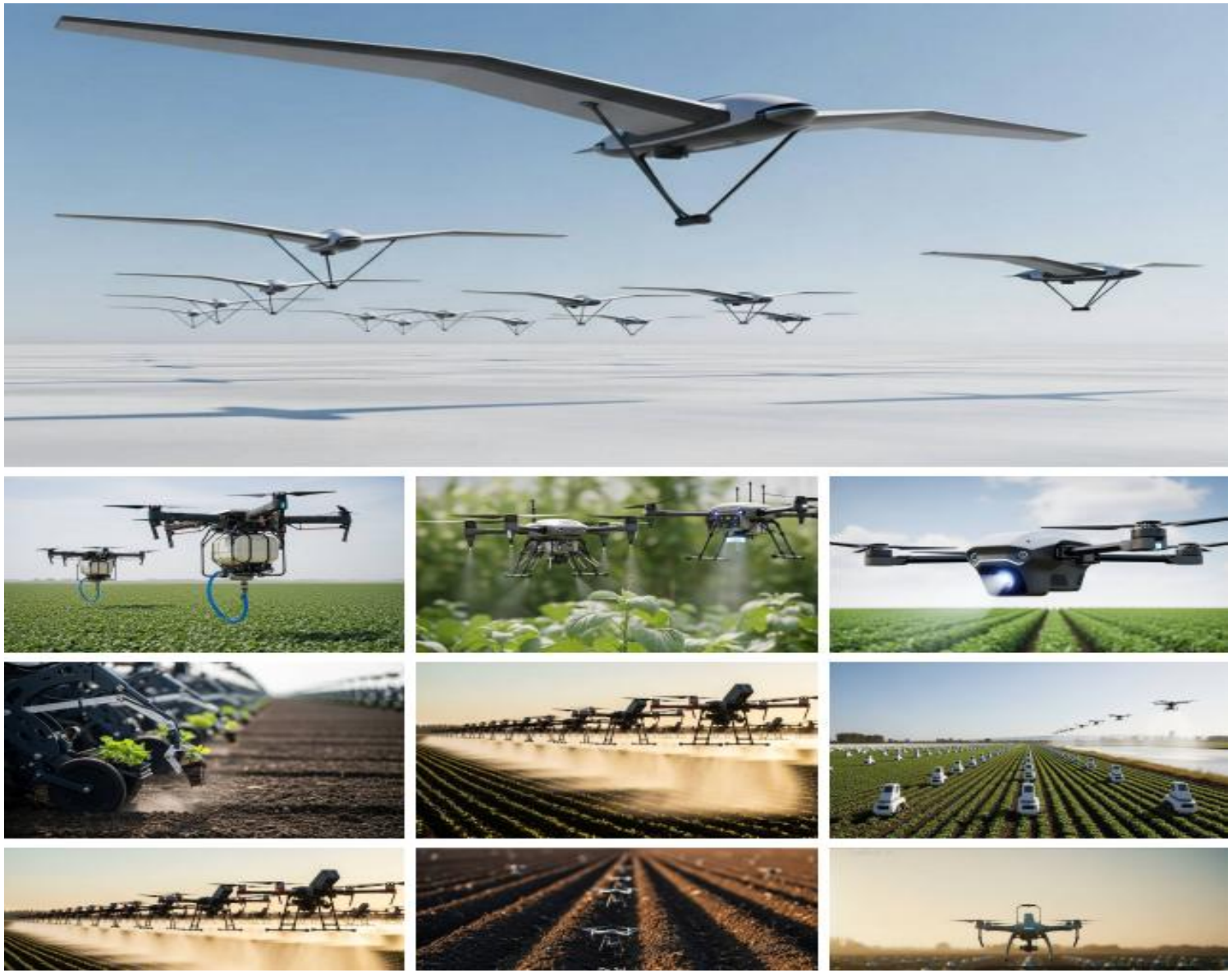
Oilfield and refinery supplies



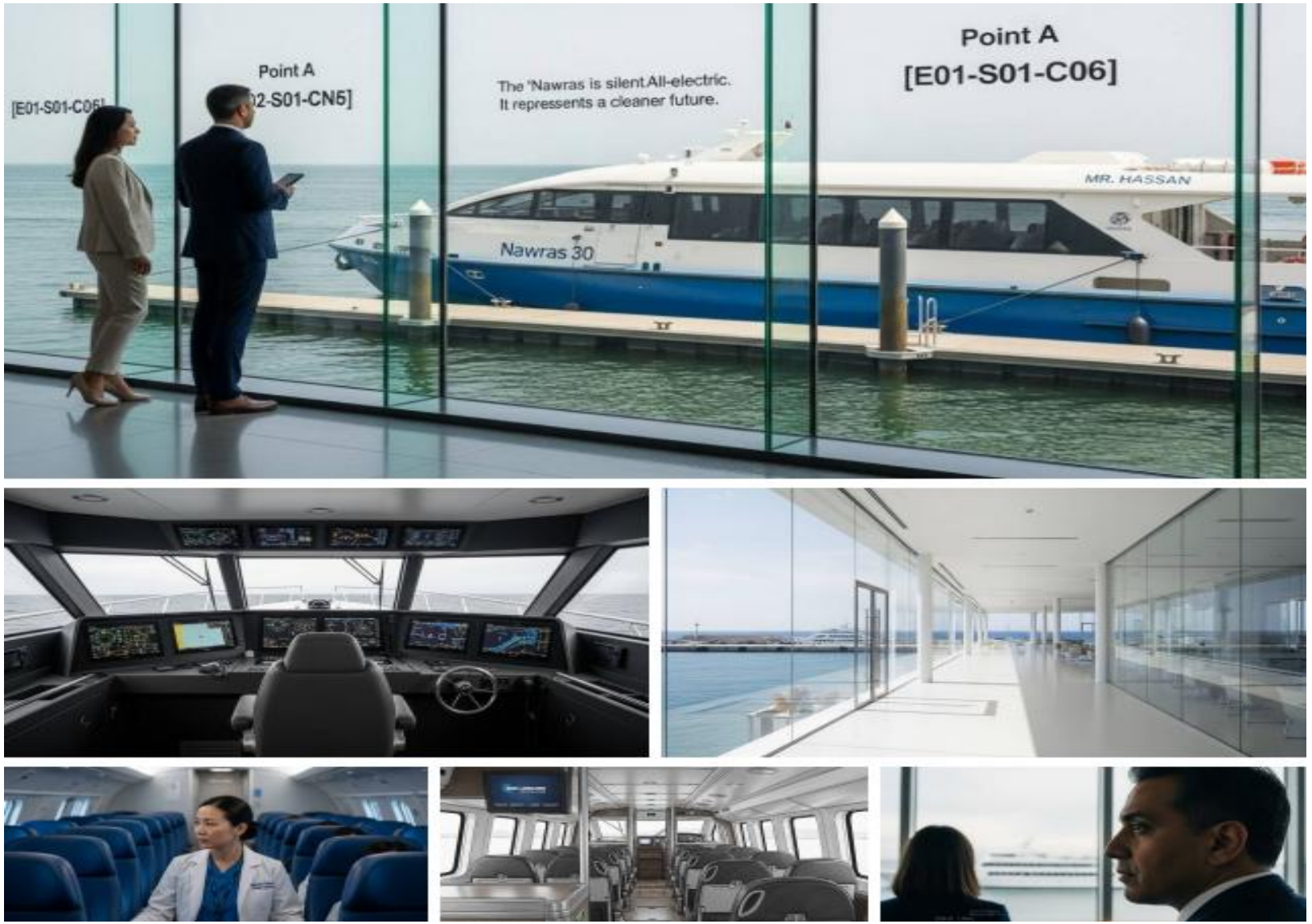
Heavy lifting Drones and Multi mission

Smart Electric Buses with Solar Tech.

Lonlord Agriculture



Smart Marine Transport and Port Managment

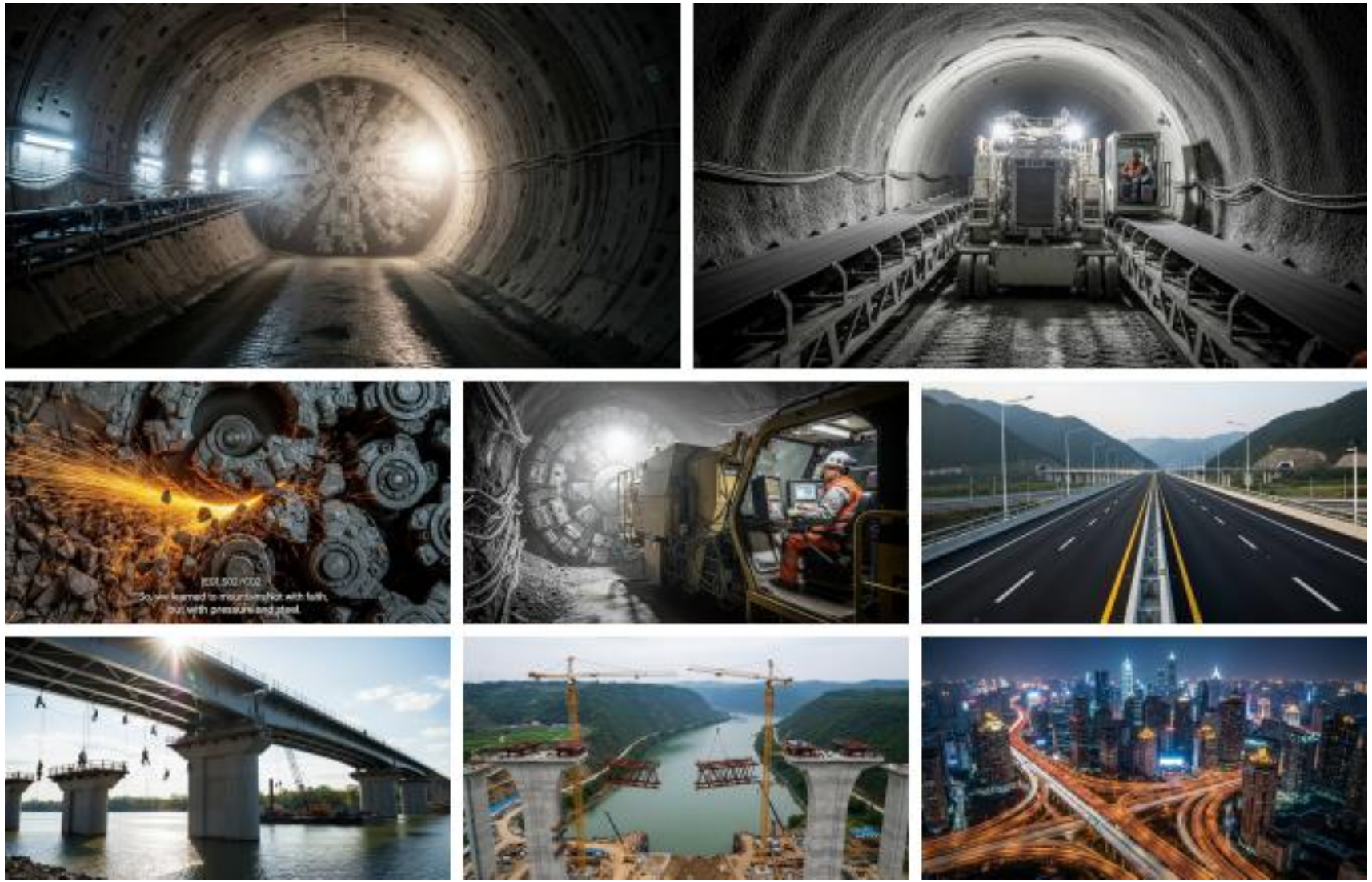


Multisession Drones and Robots

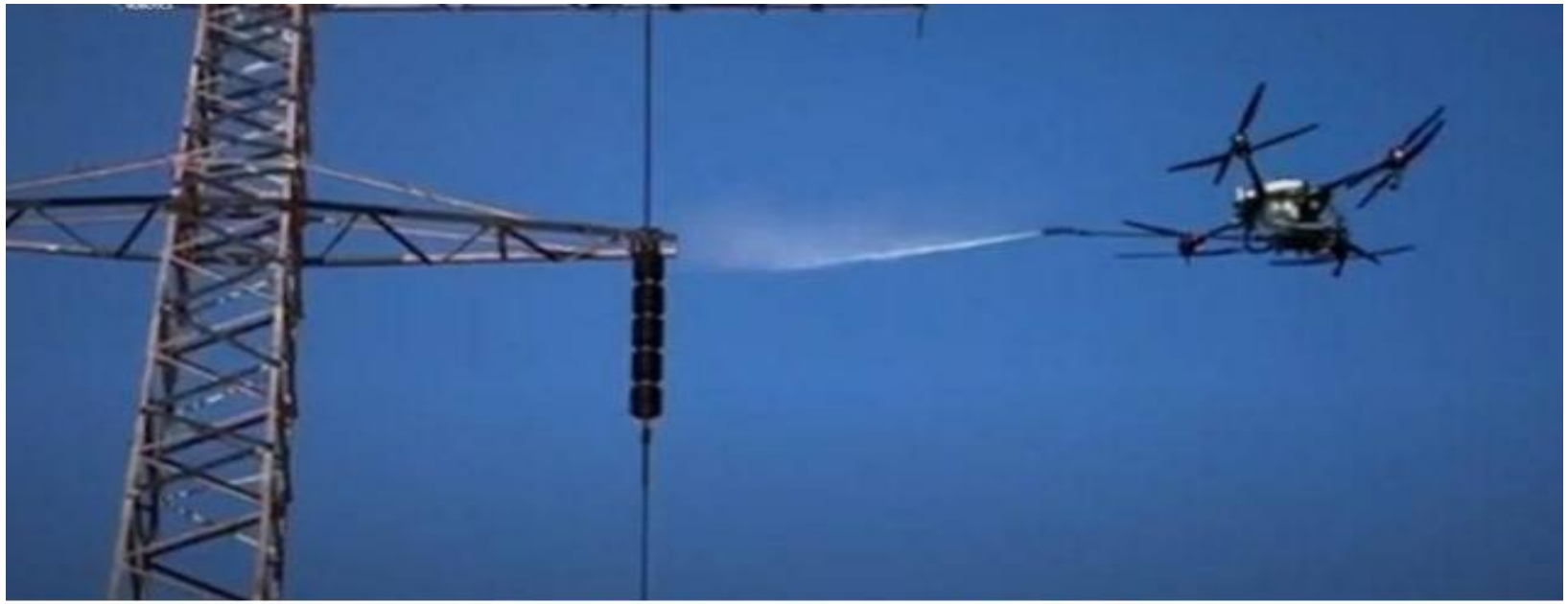
Cloud Seeding , Artificial rain

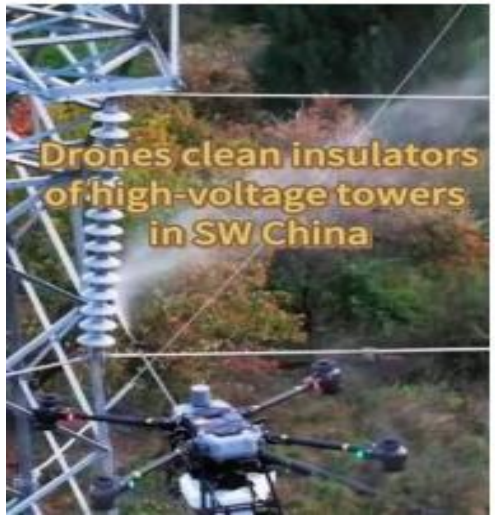
Ground Penetrating radars, Utilities and mining

Smart Transport and Toll Managment



Electric towers, and Solar panels cleaning drones





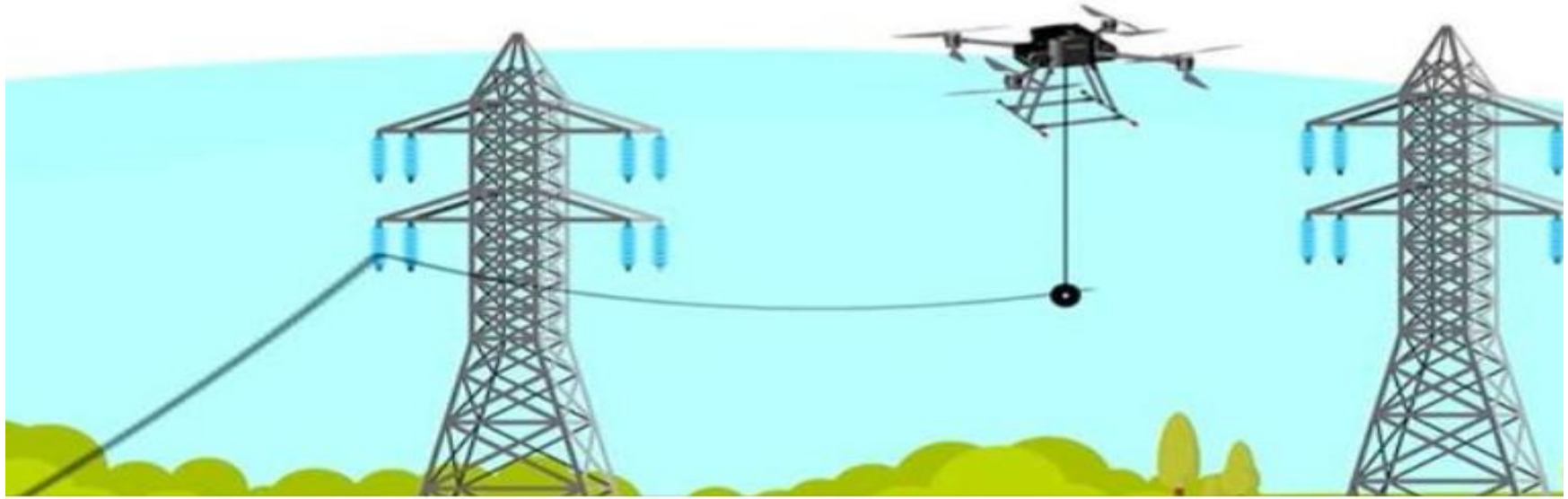
Mining, construction, batching plants, cranes and more..

Smart Medical , Storage, Labs, Management, NCS and More

Firefighting Drones

Fast Deployment Skids, Storage and Generation

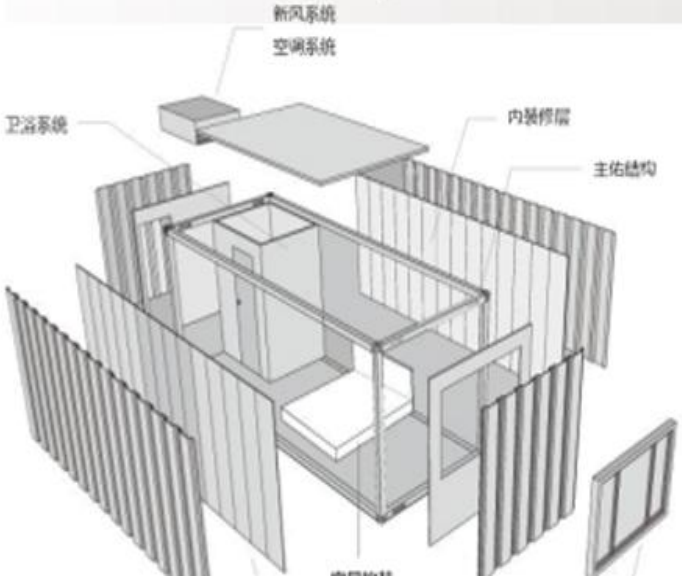
Special Mission Drones

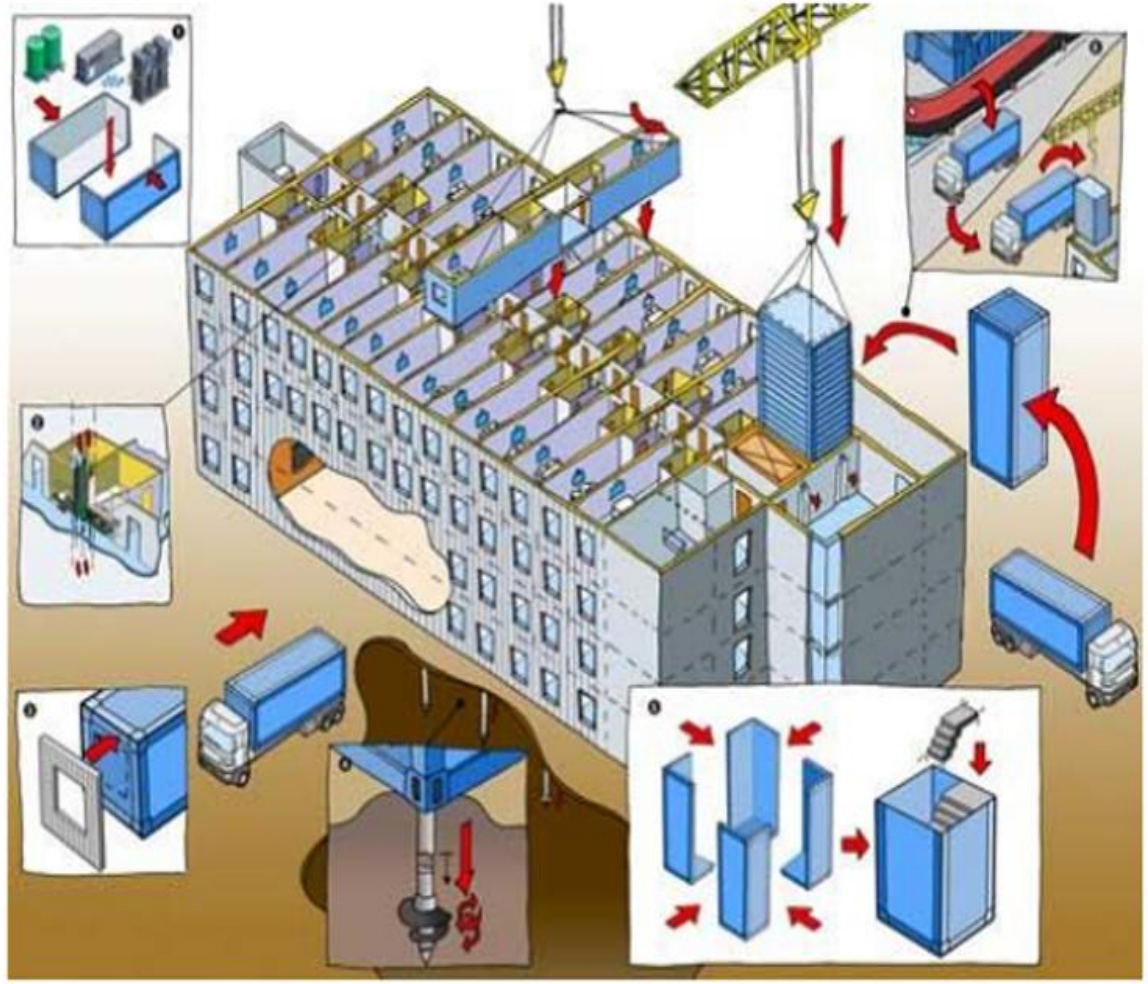


Weapon storage and tracking

self serve cash machine

Modular MIC Buildings and architecture





Power Plants and Gensets supply solutions

Company Introduction-Founded in 2005, Shanghai

LONLORD

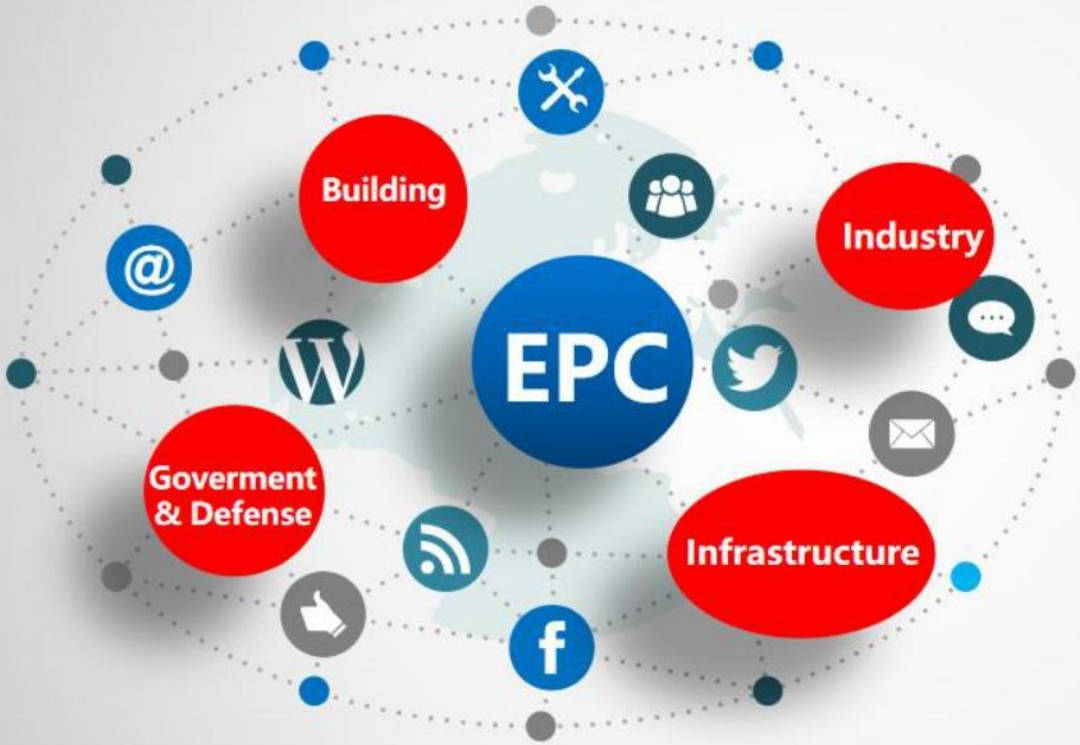
China National High-Tech Enterprise

Specialized & Innovative Enterprise

Member of the China Ministry of Industry and Information Technology Committee

SMART LONLORD

Industrial Structure 3+3+4



3 Products:
Large load UAV
Inspection Robot
Container Energy

3 Technologies(EPC):
Research and Development（R&D）
Manufacturing
Solutions

4 Domains:
Government & Smart City,Defense
Industrial explosion-proof products (SCADA)
Infrastructure,Data Centre
Building(Hospitals, schools)

Key Product

LonLord focus on Industrial Explosion proof Robot， unmanned aerial vehicle (UAV) ,Intelligent system integration services.

Key Product (Multi-rotor drone 1)

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Deterrence drones, shouting, strong sound and light to disperse, loudspeakers, gas, capture nets, destroy the psychology of terrorists.

Key Product (Military Reconnaissance UAV 2)

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Vertical take-off fixed-wing drone

Cruise Missile Drone

Fixed-wing Sliding Drone

Key Product (Military UAV 3)

Key Product (Military UAV 3) -Cluster collaboration

Key Product (Emergency Rescue UAV 4)

LonLord focus on Industrial Explosion proof Robot, unmanned aerial vehicle (UAV) ,Intelligent system integration services.

Key Product (Military UAV 5)

Key Product (Military UAV 6)

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LonLord H16-V12 reconnaissance and attack integrated

Model: H16-V12

Basic parameters

Body size 1530mm × 1750mm × 830mm
Aircraft wheelbase 1650mm
Battery life ≤ 60 minutes
Maximum load ≤ 25kg
Flight radius ≤ 15km
Operating temperature -40℃-+85℃
Disassembly and assembly time ≤ 2 minutes
Power battery 30000mAh
Flight speed ≤ 18m/s
Flight altitude ≤ 5800m
Practical ceiling>4500m
Wind resistance level 7
Protection level IP55
Positioning accuracy: horizontal ± 0.02 meters, vertical ± 0.05 meters
Satellite positioning: Beidou, GPS, GLONASS, RTK, three-star seven frequency

Functional features

Intelligent flying: Simulated ground flight, guided flight, guided mission, breakpoint continuation flight, AB point takeoff and landing

One click takeoff and landing, one click return, route planning, multi task management, safety protection against magnetic interference, triple redundancy protection, low power return, lost contact return, and propeller protection

Omnidirectional obstacle avoidance: 720 ° obstacle avoidance, perception range of 20-200 meters

Product introduction

The world's first 720 ° fully perceptive unmanned aerial vehicle. The flight power adopts a 12 rotor design, and the whole machine is connected by a quick detachable interface structure, which can simultaneously mount three types of load equipment, making it easy and flexible to use. The body adopts a plug-in wireless connection structure, which can carry visible light, infrared, night vision, laser ranging and other visual task payloads, obtain image information from a long distance and high definition, and has the ability to recognize, lock and track A. Supports mounting of Type 95 rifles, 50mm rockets, 60mm mortar shells, grenade launchers, and small visual guided missiles on hangers. The model supports single machine or cluster operation in various complex terrains.

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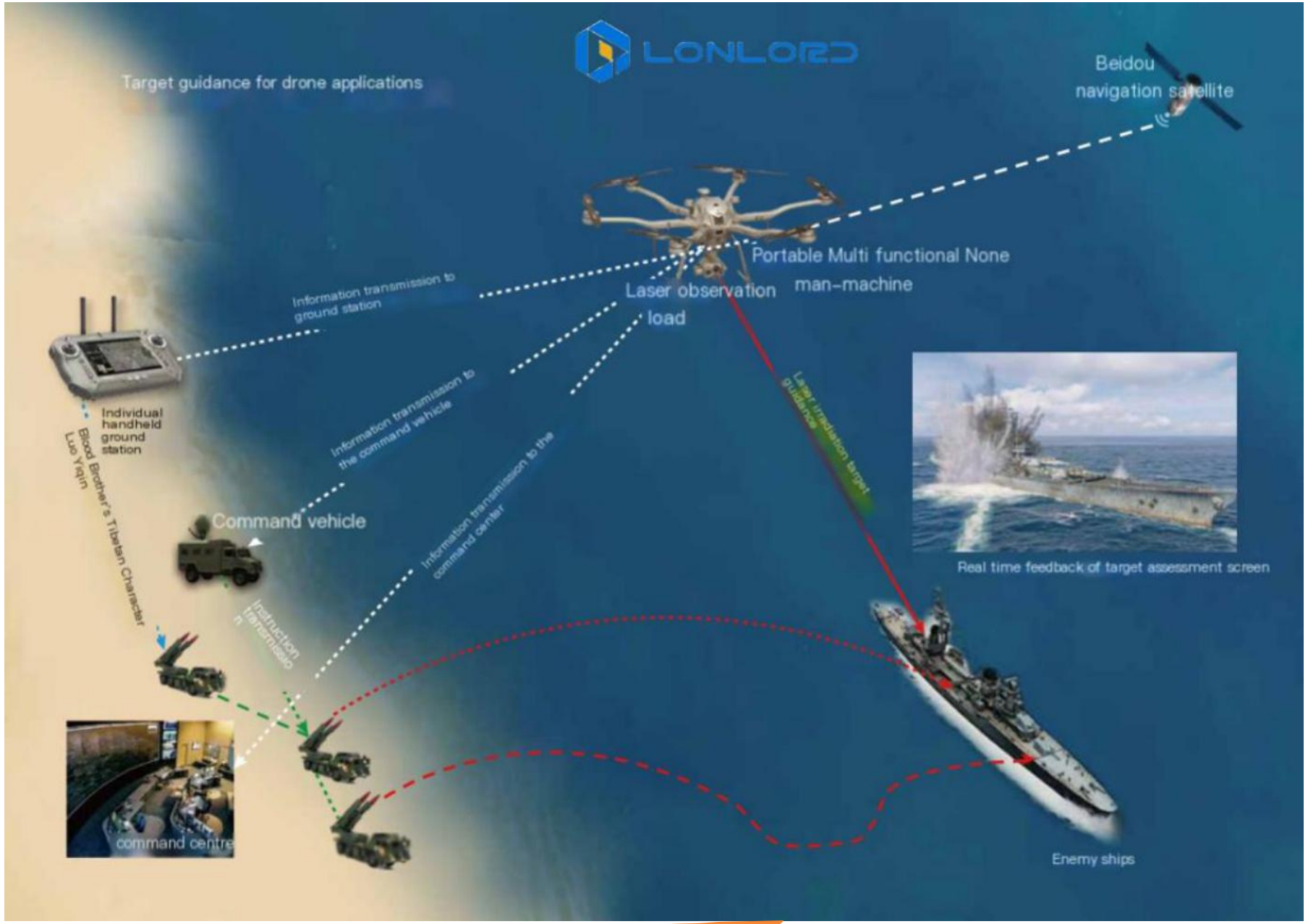
LONLORD
Navigation positioning Cruise
Beidou Navigation Satellite
City network
ransmission
Transfer to mobile device
Transfer to private
Transfer to individual soldier
Transfer to mobile command vehicle
Transferred to the mobile command vehicle
4G/5G network
4G/5G network transmission
Navigation
Coordinate video transmission and navigation coordinate positioning communication link
Video transmission and control link
Transfer to command center
Transferred to the command center
Transfer to command center
Transferred to the command center
Vehicle mounted ground station
Model: GCS-22EX
Uav Communication Link Diagram


LONLORD
Target guidance for drone applications
Beidou
navigation satellite
Portable Multi functional None
man-machine
Laser observation
load
Information transmission to
ground station
Information transmission to
the command vehicle
Information transmission to the
command center
Individual
handheld
ground
station
Blood Brother's Tibetan Character
Luo Yajin
Command vehicle
Laser irradiation target
guidance
Real time feedback of target assessment screen
command centre
Enemy ships

LONLORD

High altitude tethered relay unmanned aerial vehicle

model: H16-V6-ST

Main Parameters Of Flight Platform

Body size	1530mm×1750mm×830mm
Aircraft wheelbase	1660mm
Empty weight	20kg
Tethered flight climb speed ≤ 3m/s	
Tethered flight descent speed ≤ 2m/s	
flight altitude	100m
maximum payload	20kg
Maximum takeoff weight ≤ 45kg	
Flight altitude of 200m	
maximum payload	10kg
Maximum takeoff weight	≤40kg
flight altitude	300m
maximum payload	5kg
Maximum takeoff weight	≤35kg
Hover time	≤24h
Wind resistance capability	Level 7
Rainproof level	moderate rain
Sand and dust prevention IP65	
Operating temperature -40℃~+65℃	

Main Applications

Relay communication, fixed-point monitoring, mobile base station live broadcast, air ground integrated firepower network

Technical Features

Cooperate with a 300 meter mooring system to maintain a continuous empty space for no less than 12 hours

Integrated carbon fiber composite streamlined body

- Modular and plug-in structure, easy to carry and transport, optional hanging of multiple task loads, excellent power redundancy, broken propeller protection function, dust-proof and sand proof design, can withstand moderate rain
- Wind speed perception, capable of withstanding wind up to level 7
- 720° omnidirectional perceptive obstacle avoidance

Can be used independently or loaded with various types of armored vehicles on the ground for combined use

Ground Unit Parameters

Cable length: 350m Input current: 753 Max Output current:< 15A input voltage: AC220V ± 10% output voltage: adjustable 650V-1000V

Output power: ≥ 10KW

Fully automatic retractable cable

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Key Product (Military UAV 7)

Transport UAV,
50 kg,
100 kg,
300 kg,
1 Ton,
3.5 Tons

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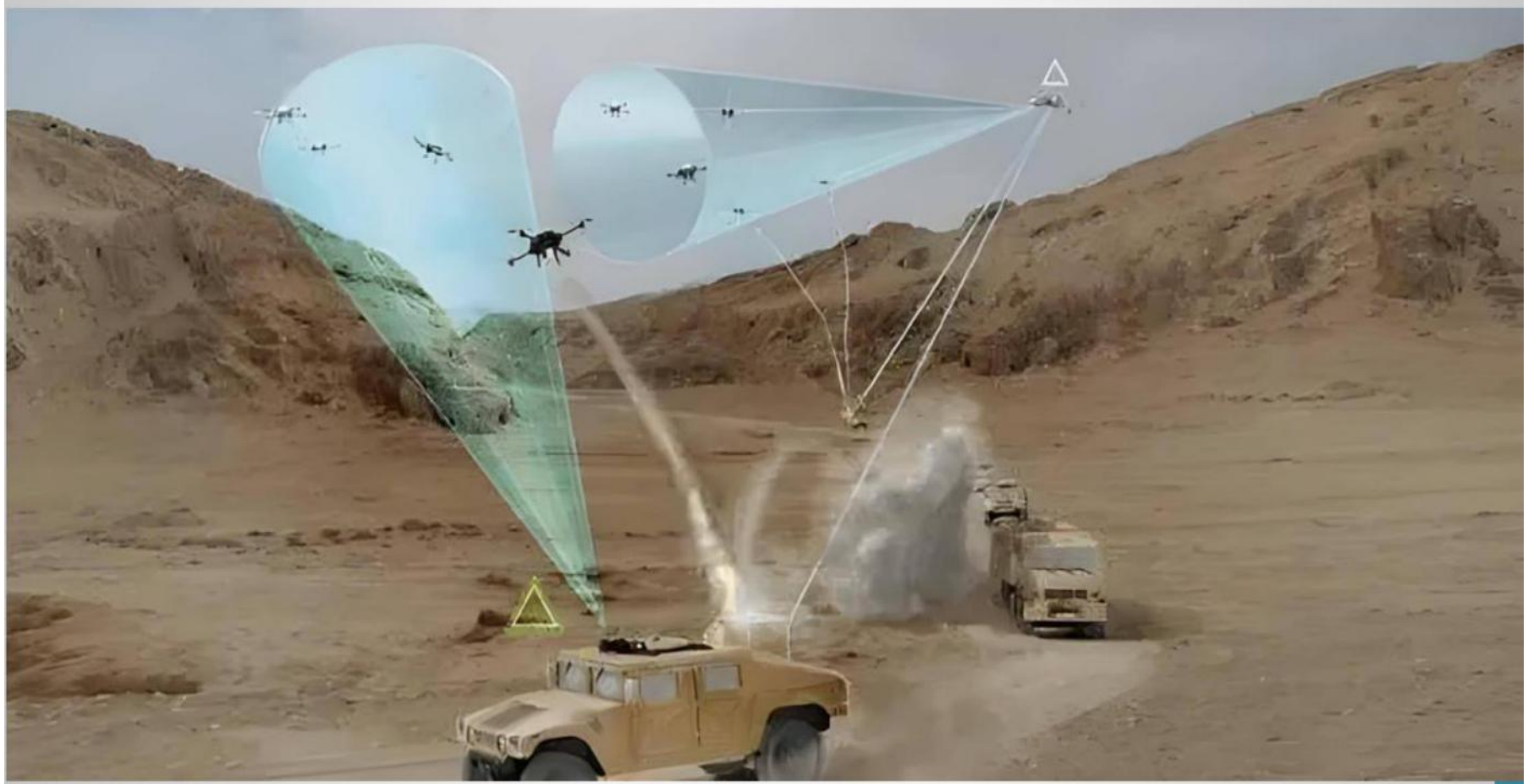

Key Product (Military UAV 9)

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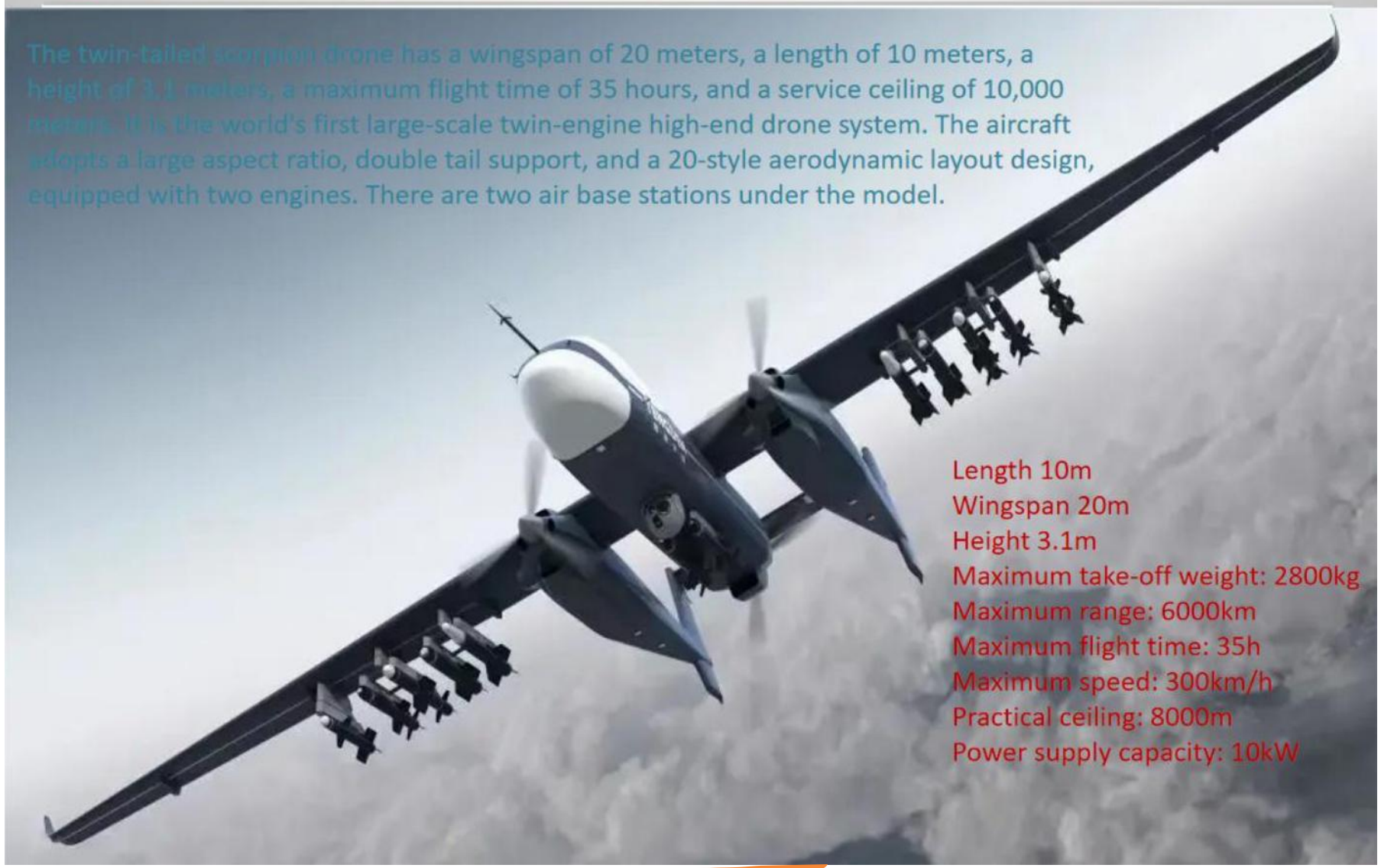
The twin-tailed scorpion drone has a wingspan of 20 meters, a length of 10 meters, a height of 3.1 meters, a maximum flight time of 35 hours, and a service ceiling of 10,000 meters. It is the world's first large-scale twin-engine high-end drone system. The aircraft adopts a large aspect ratio, double tail support, and a 20-style aerodynamic layout design, equipped with two engines. There are two air base stations under the model.



Length 10m
Wingspan 20m
Height 3.1m
Maximum take-off weight: 2800kg
Maximum range: 6000km
Maximum flight time: 35h
Maximum speed: 300km/h
Practical ceiling: 8000m
Power supply capacity: 10kW

Key Products （Robot 1）

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LonLord Intelligent Robot

LonLord focus on Industrial Explosion proof Robot，unmanned aerial vehicle（UAV）,Intelligent system integration services.

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Key Products （ Robot 2)

LonLord focus on Industrial Explosion proof Robot，unmanned aerial vehicle (UAV) ,Intelligent system integration services.

Key Products（Robot 3）

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Ground defense position deployment planning

Four-legged robot patrol team formed

Deploy quadruped robots with autonomous navigation and environmental perception capabilities to perform ground patrol missions.

Fortification construction

Based on the terrain and topography, defensive fortifications such as bunkers and trenches were built to improve the position's ability to withstand impact.

Deployment of anti-drone systems

Deploy anti-drone systems in key areas to detect, interfere with and attack enemy drones.

Key Product (Robot 4)

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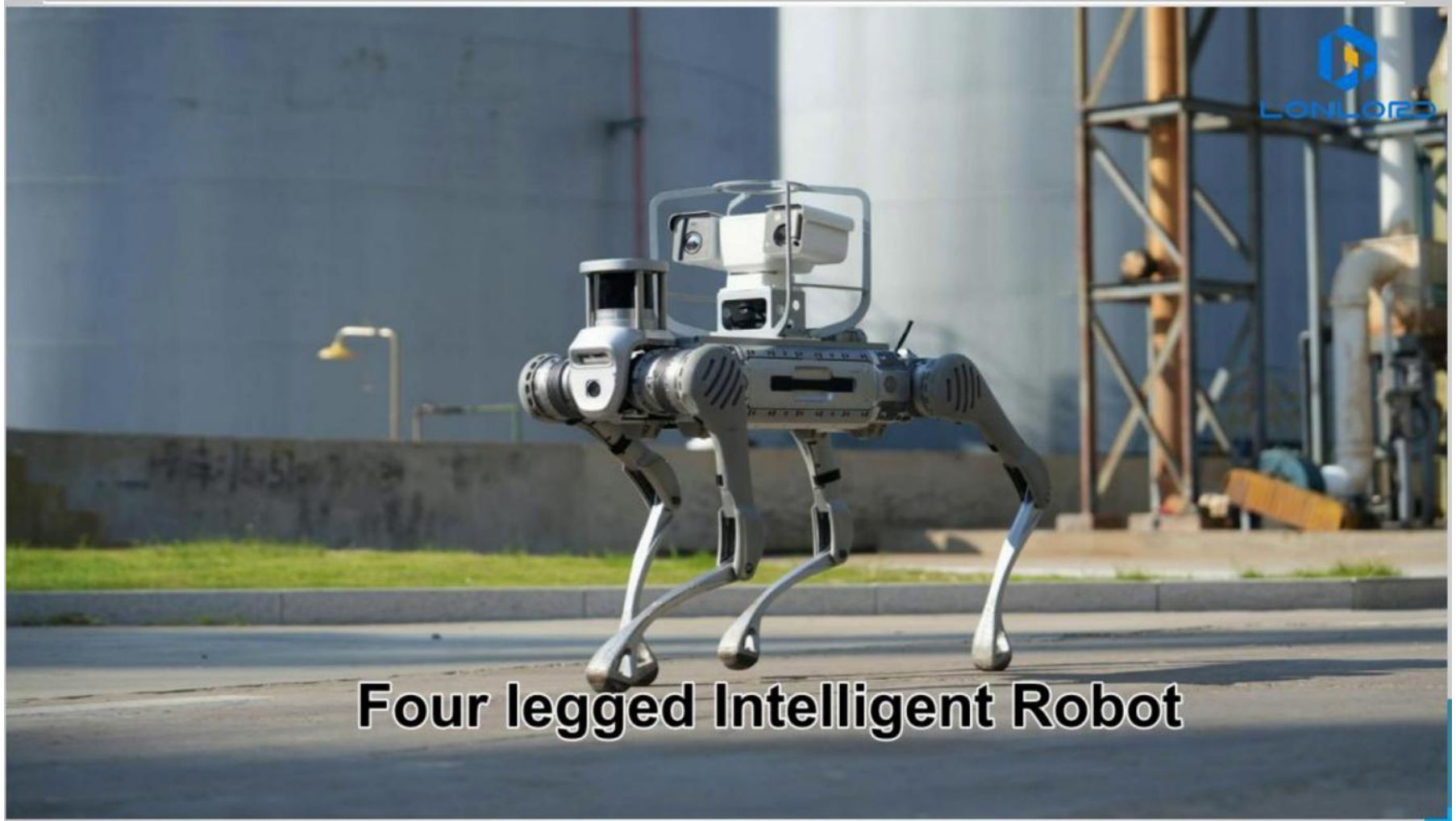

LonLord focus on Industrial Explosion proof Robot, unmanned aerial vehicle (UAV) ,Intelligent system integration services.

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Key Product (Skid-type energy storage Station/Command Station/Monitoring Station)

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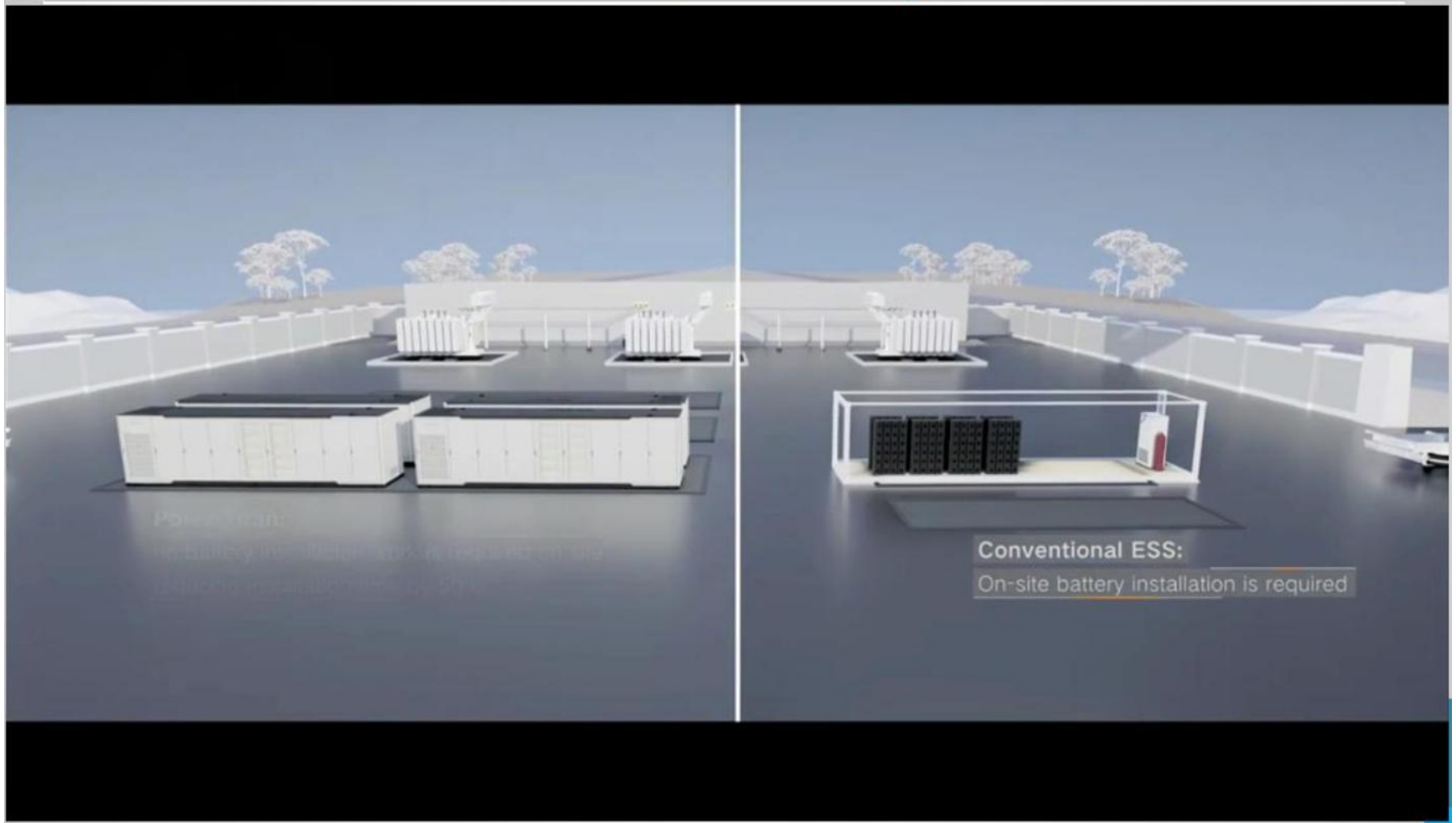

LonLord focus on Industrial Explosion proof Robot, unmanned aerial vehicle (UAV) ,Intelligent system integration services.

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Key Technology - EPC Integration Services

1. ICT信息传输技术/5G
Information Communication Technology

2. 智慧交通系统
高速公路车牌自动识别收费系统
Intelligent Transportation System

3. IDC数据中心建设
Information Data Center

4. 绿色能源投资管理
Green Energy Investment Management

5. 智能安防七大系统
Intelligent Security System

6. 智慧医疗教育系统
Intelligent Medical &Education System

7. 智慧城市系统
Intelligent Smart City System

8. 工业流程及仪表控制系统
Industrial Process & Instrument Control System (SCADA)

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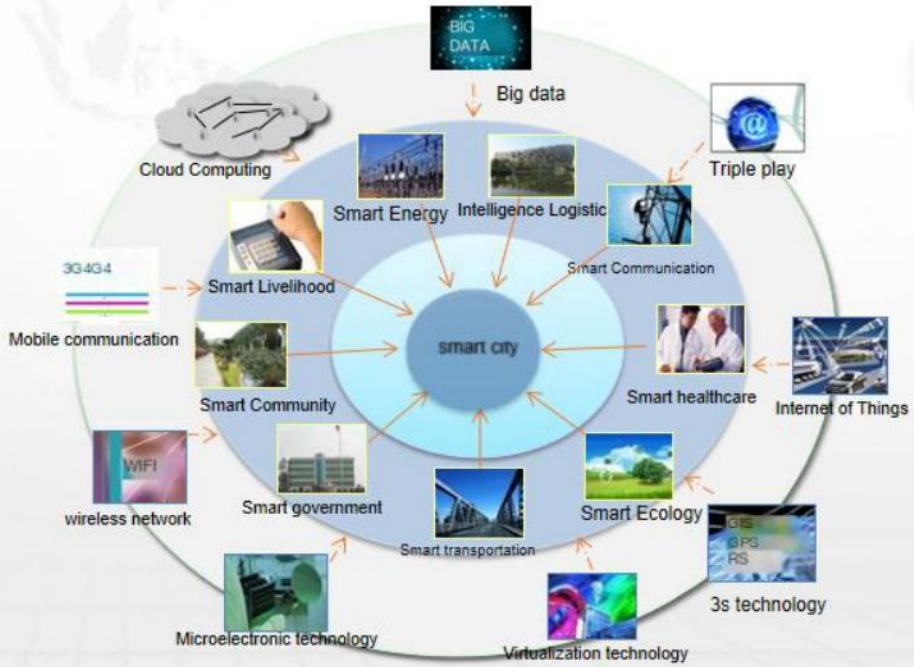
Smart City Application Technology

- Internet of Things
- Mobile internet
- Wireless network
- Big data
- Cloud computing technology
- Spatial Information Technology GIS
- 3D Virtual Reality Technology

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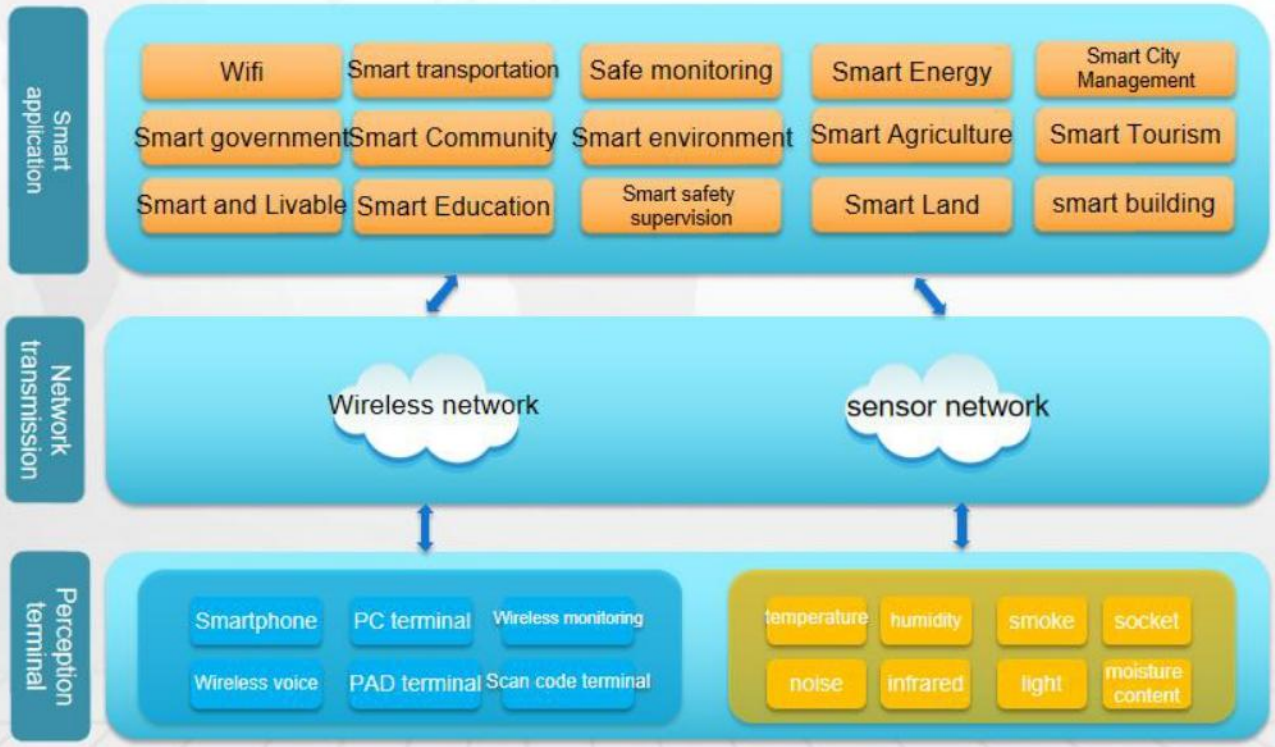
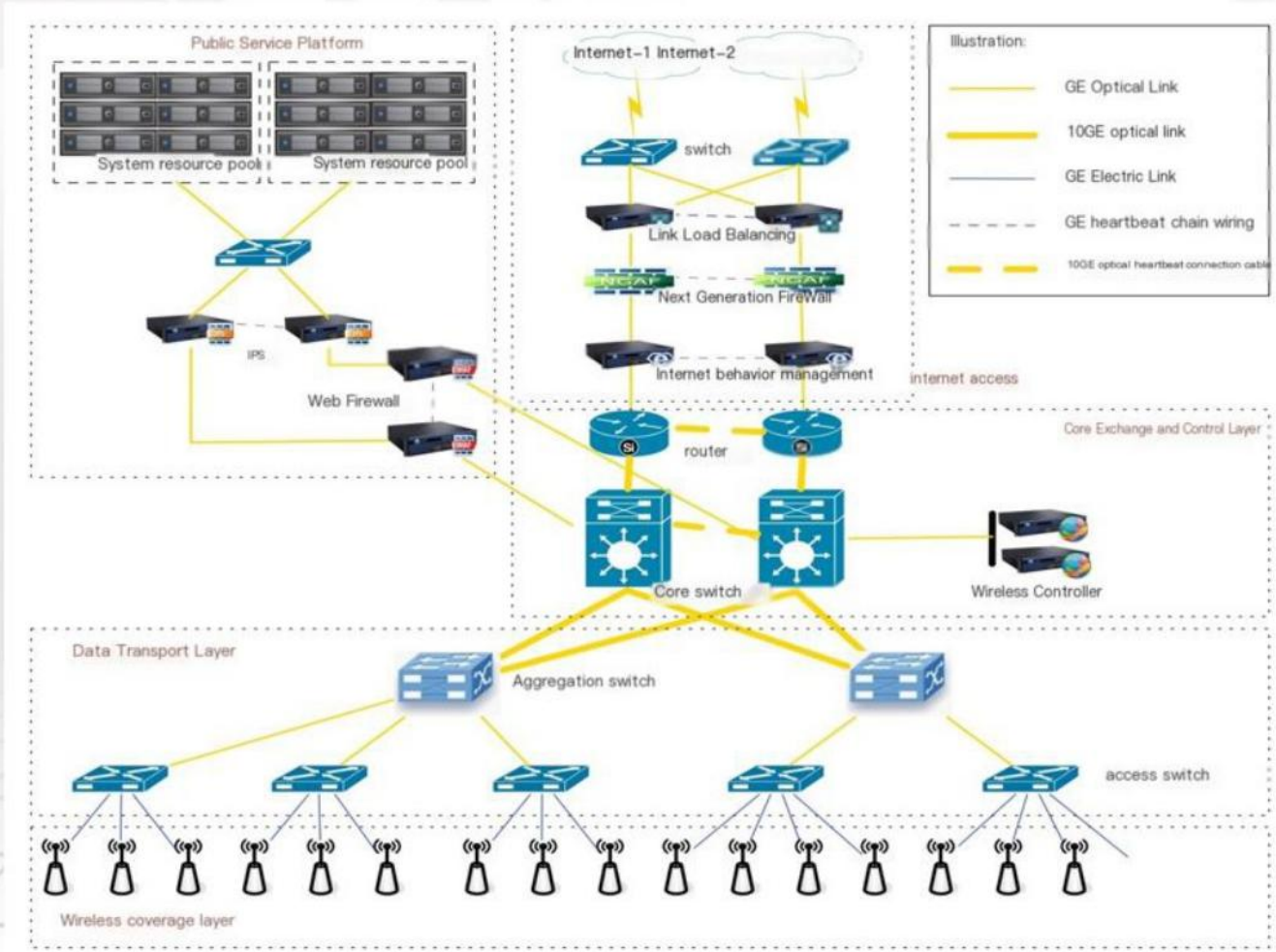
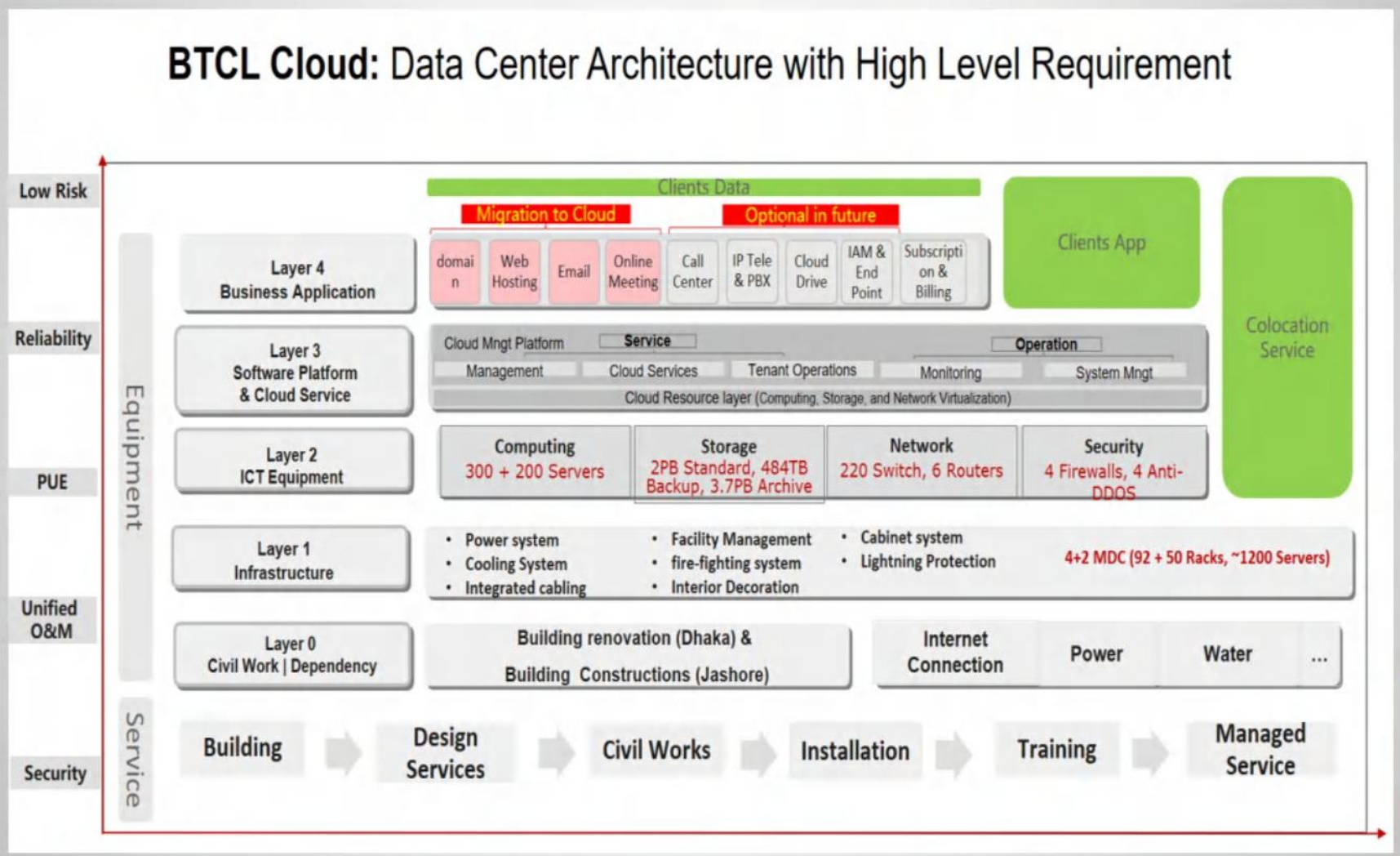
Overall Architecture of LonLord Smart City Solution



Wireless City Solution



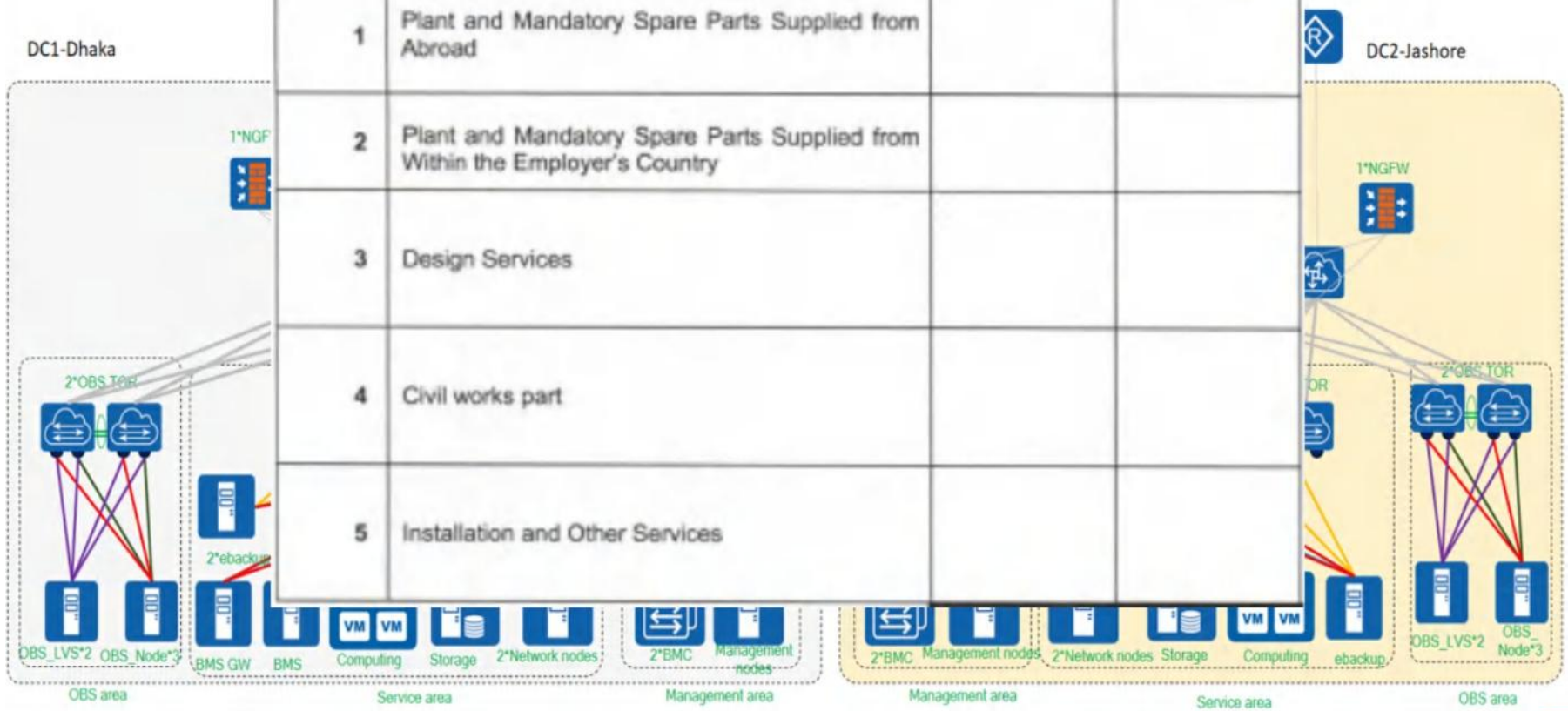
BTCL Cloud Standard Platform Architecture with High Level Requirement



BTCL Cloud Network Topology for STANDARD PLATFORM (Dhaka) and DR (Jashore)

BTCL Cloud: Network Topology For DC1 (Dhaka) and DC2 (Jashore)

Schedule No.	Title	Total Price	
		Foreign Currency- USD	Local Currency- Taka
1	Plant and Mandatory Spare Parts Supplied from Abroad		
2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Design Services		
4	Civil works part		
5	Installation and Other Services		

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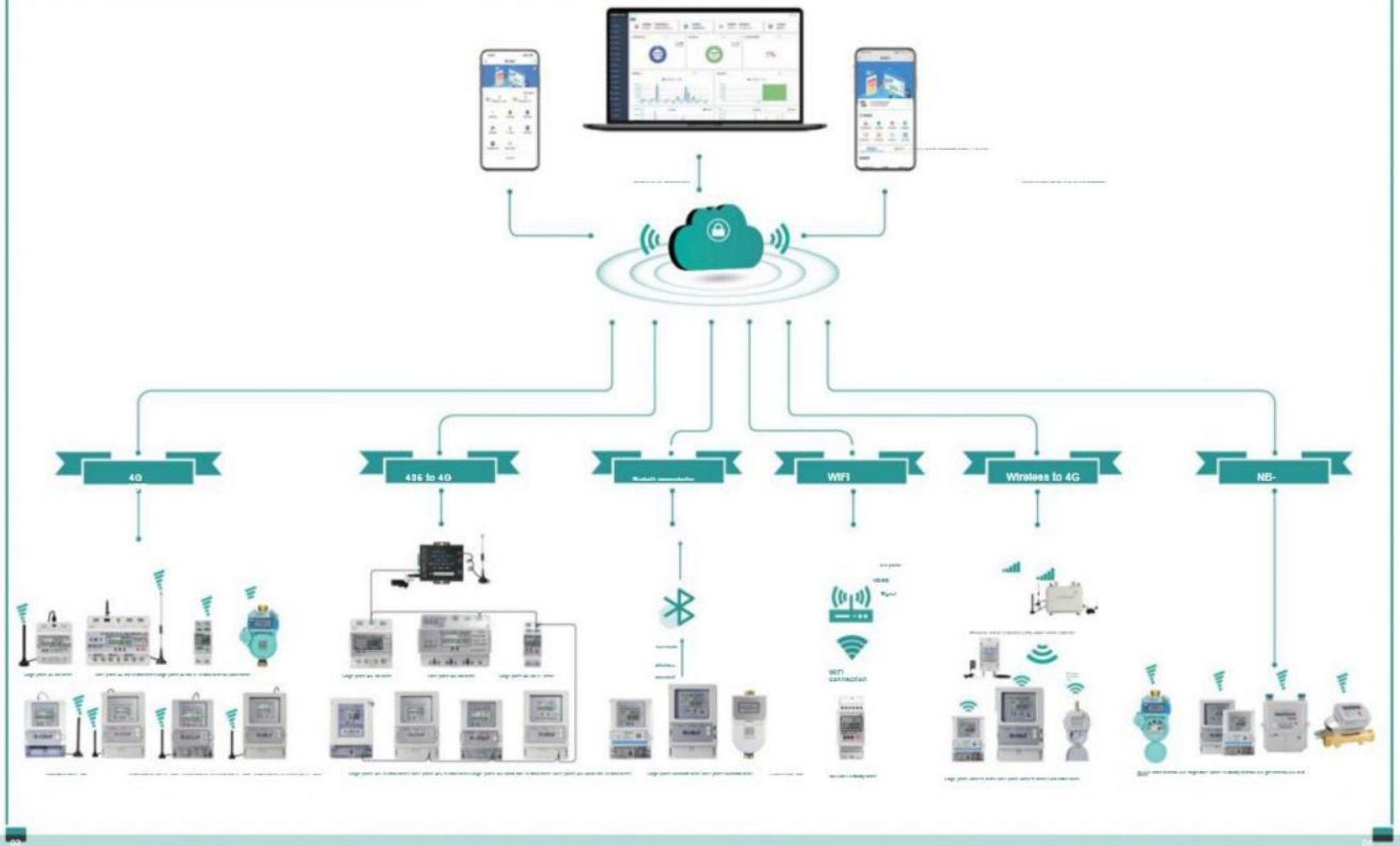
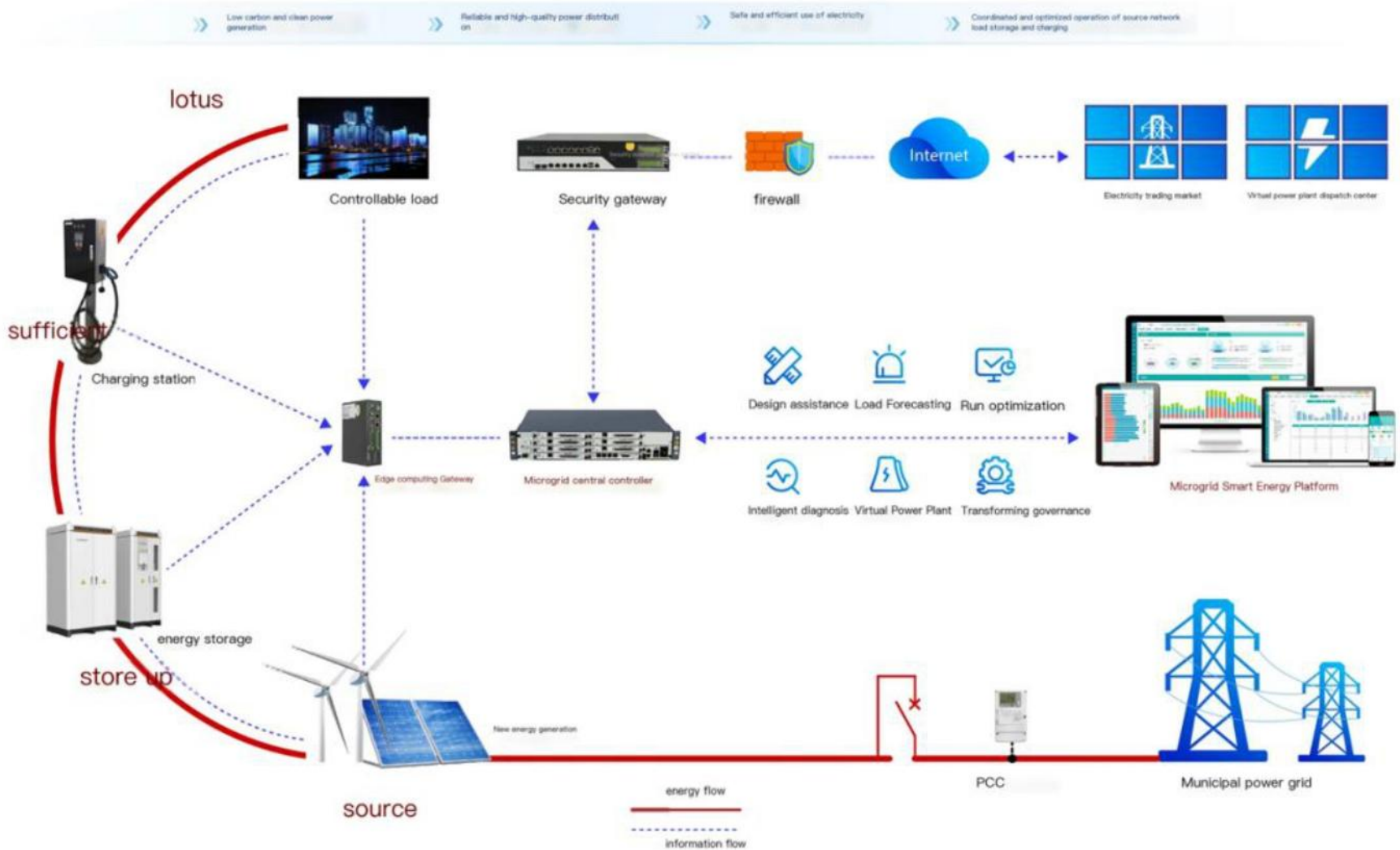
无线电表采集器
LoRa水表采集器
无线连接
单相无线电表
三相无线电表
LoRa水表
NB-IOT水表
NB-IOT单/三相电表
NB-IOT燃气表
NB-IOT热量表

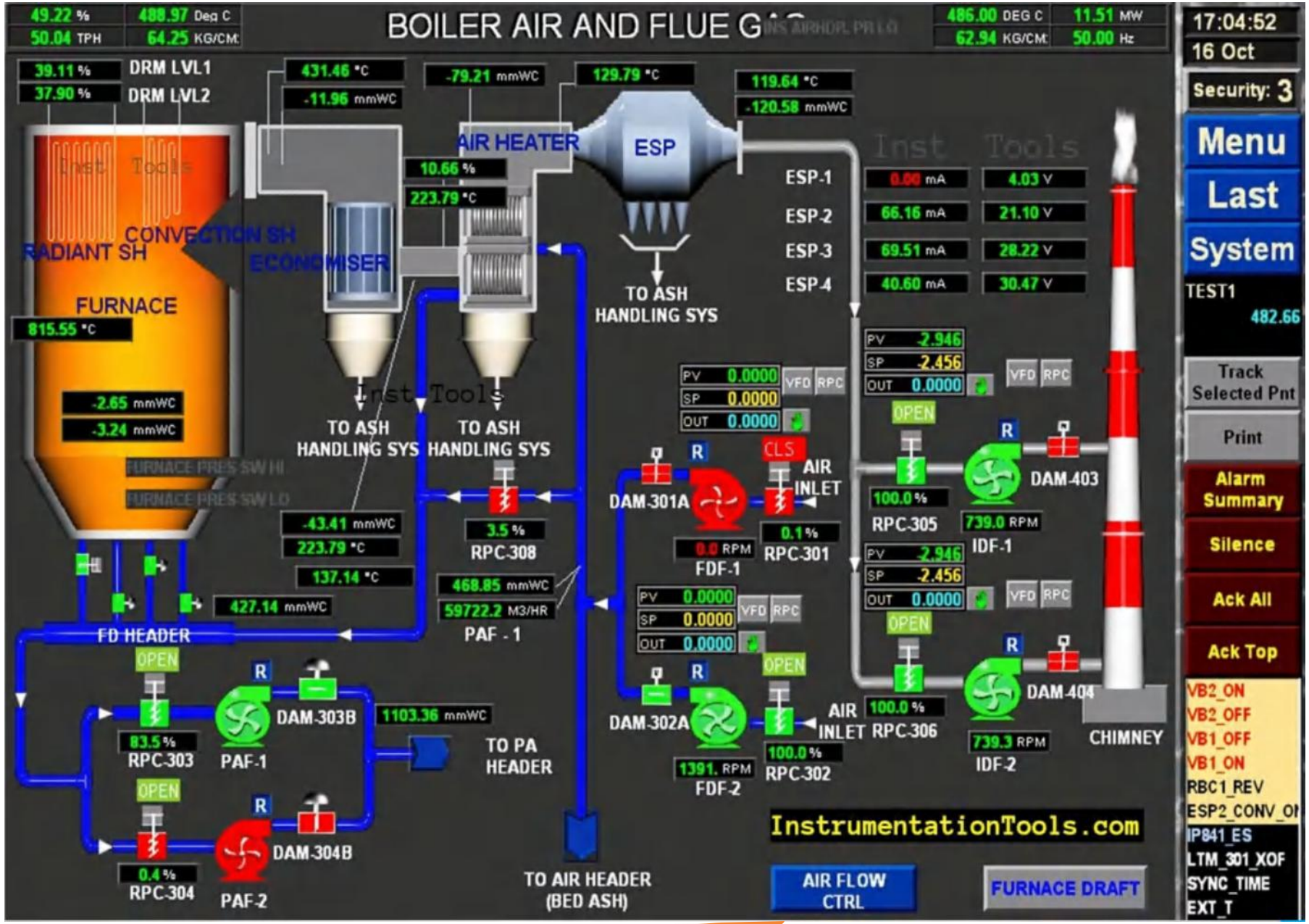
SYSTEM CONSTRUCTION



Key Product （ Solar Power Station1）

Key Product （ Solar Power Station 2)




BOILER AIR AND FLUE G
49.22 %
50.04 TPH
488.97 Deg C
64.25 KG/CM
486.00 DEG C
62.94 KG/CM
11.51 MW
50.00 Hz
17:04:52
16 Oct
Security: 3
Menu
Last
System
TEST1
482.66
Track Selected Pnt
Print
Alarm Summary
Silence
Ack All
Ack Top
VB2_ON
VB2_OFF
VB1_OFF
VB1_ON
RBC1_REV
ESP2_CONV_OI
IP841_ES
LTM_301_XOF
SYNC_TIME
EXT_T
39.11 % DRM LVL1
37.90 % DRM LVL2
431.46 °C
-11.96 mmWC
-79.21 mmWC
129.79 °C
119.64 °C
-120.58 mmWC
AIR HEATER
ESP
10.66 %
223.79 °C
RADIANT SH
CONVECTION SH
ECONOMISER
FURNACE
815.55 °C
-2.65 mmWC
-3.24 mmWC
FURNACE PRES SW HI
FURNACE PRES SW LO
TO ASH HANDLING SYS
TO ASH HANDLING SYS
TO ASH HANDLING SYS
ESP-1
ESP-2
ESP-3
ESP-4
0.00 mA
4.03 V
66.16 mA
21.10 V
69.51 mA
28.22 V
40.60 mA
30.47 V
PV 0.0000
SP 0.0000
OUT 0.0000
VFD RPC
CLS
AIR INLET
DAM-301A
0.0 RPM
FDF-1
RPC-301
0.1 %
PV -2.946
SP -2.456
OUT 0.0000
OPEN
DAM-403
100.0 %
RPC-305
739.0 RPM
IDF-1
-43.41 mmWC
223.79 °C
137.14 °C
3.5 %
RPC-308
468.85 mmWC
59722.2 M3/HR
PAF - 1
427.14 mmWC
FD HEADER
DAM-303B
1103.36 mmWC
83.5 %
RPC-303
PAF-1
TO PA HEADER
DAM-304B
0.4 %
RPC-304
PAF-2
TO AIR HEADER (BED ASH)
DAM-302A
AIR INLET
RPC-306
100.0 %
DAM-404
739.3 RPM
IDF-2
CHIMNEY
100.0 %
RPC-302
1391. RPM
FDF-2
InstrumentationTools.com
AIR FLOW CTRL
FURNACE DRAFT

控的场景，如电力系统、石油管道、化学品
、水处理厂等。

ADA is widely used in scenarios that require
-time data collection, remote control, and
itoring, such as power systems, oil pipelines,
mical production, water treatment plants, etc.

igh Efficiency|Innovation|Collaboration|Win-Win|

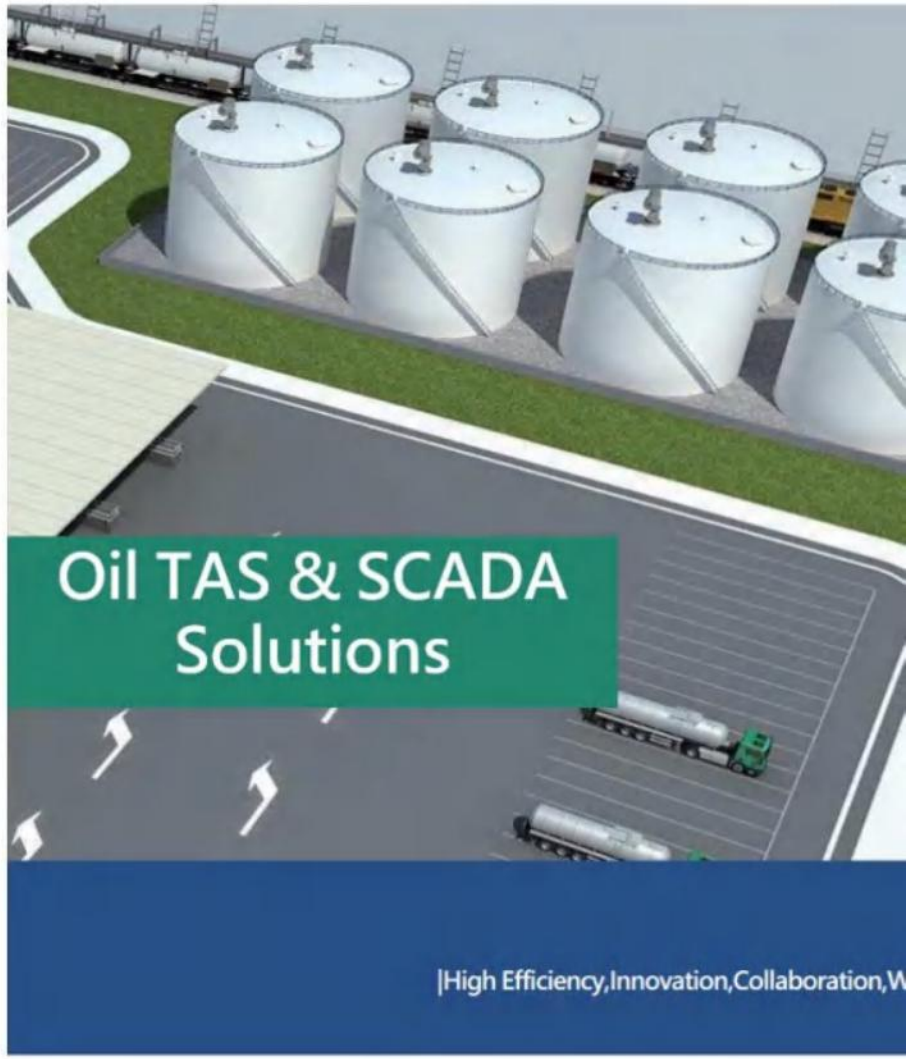
Tank metering

Quantitative loading

Electronic lead seal

system integration

LONLORD



LonLord Industriy (Shanghai) C
www.lonlord.com

SMART LONLORD

Our Websites and Social Links:

- www.LonLord.com
- www.smartG5.com

- https://www.facebook.com/share/1BCkkZnrRd/
- https://t.me/SmartLonlord