



SaaS with IoC (Internet of things in Construction) in AEC market

IoC 統一智慧工地 系統平台「軟件即服務」

ITT is the leading One IoC
Company for AEC Market

Architecture | Engineering | Construction

Environmental Technology in
Developing Green Ecosystem
以環境科技建構綠色生態

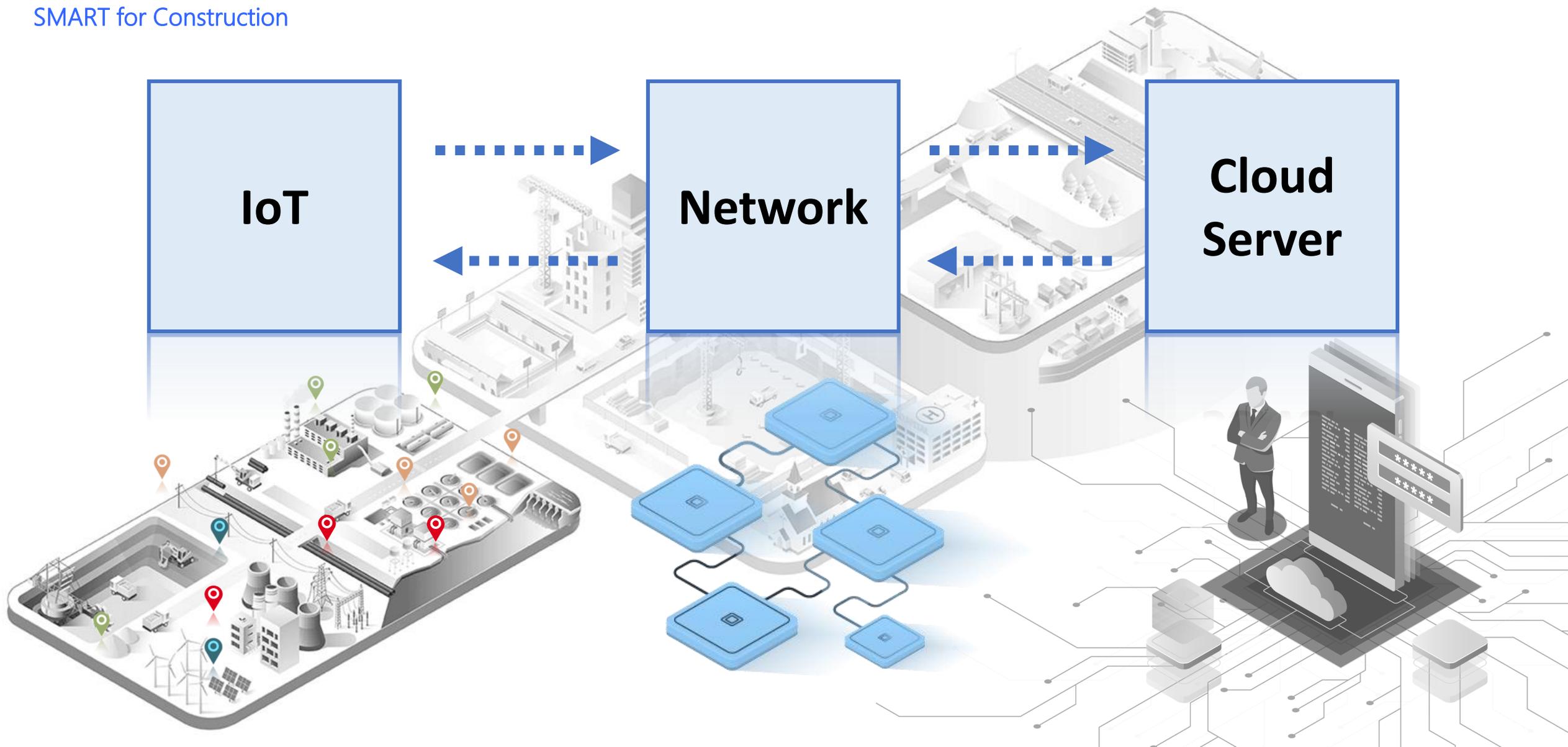


15th March 2022

InfoSMART™

智高.智正 IoC Solutions

SMART for Construction



InfoSMART™

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SMART for Construction

No Identical Projects

**Always Insufficient
Construction Period**

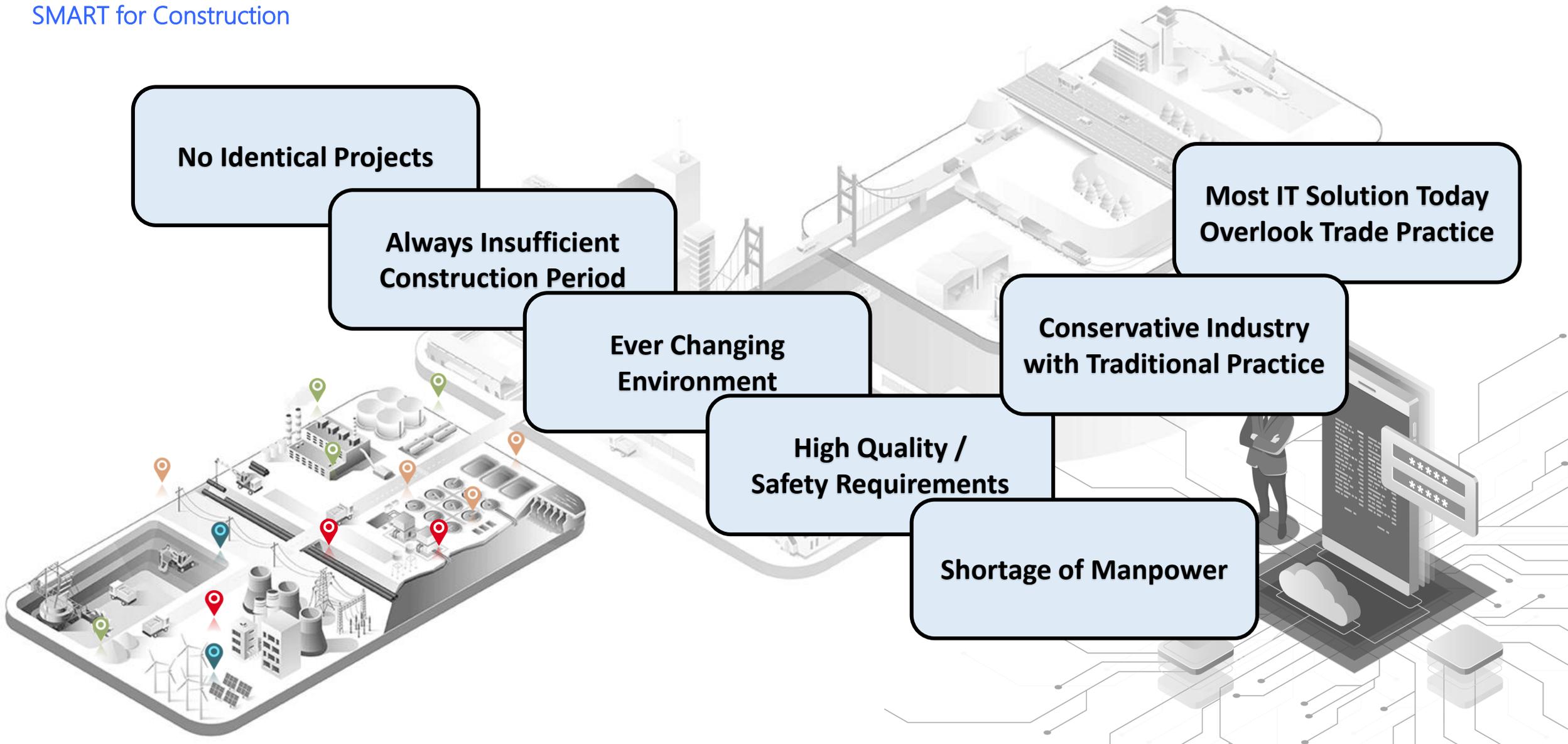
**Most IT Solution Today
Overlook Trade Practice**

**Ever Changing
Environment**

**Conservative Industry
with Traditional Practice**

**High Quality /
Safety Requirements**

Shortage of Manpower



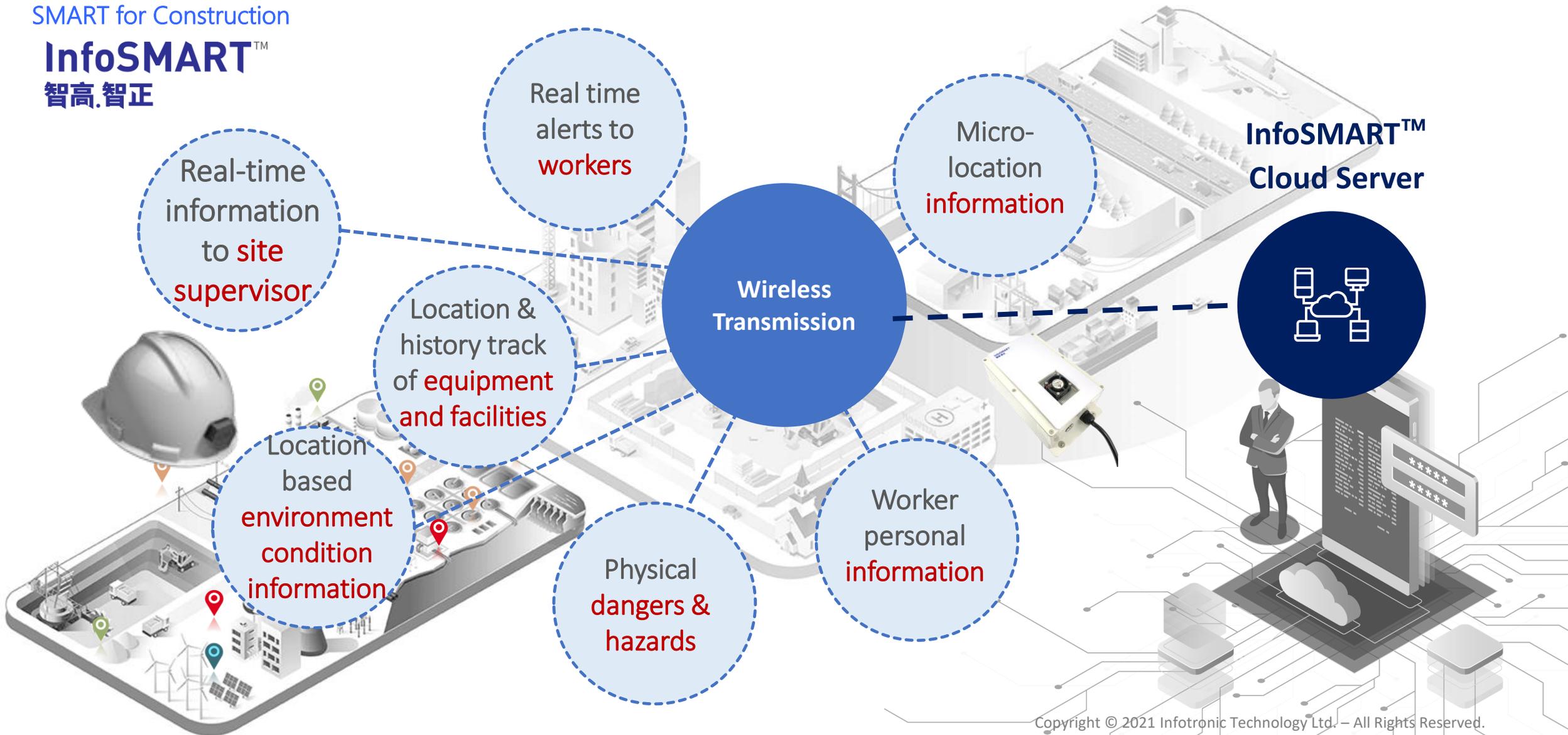
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SMART for Construction

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InfoSMART™
Cloud Server

Wireless
Transmission

Real-time
information
to **site
supervisor**

Real time
alerts to
workers

Micro-
location
information

Location &
history track
of **equipment
and facilities**

Worker
personal
information

Physical
dangers &
hazards

Location
based
**environment
condition
information**

Safety

Active Safety Management

Manpower

Attend



SmarTag
25gm, weatherproof
2.5 years battery

Plant Equipment

Resources



ObjecTag
GPS, weatherproof
2.5 years battery

Quality Defect

xTrack



Digital Landmark
100gm, weatherproof
1-5 years battery

Progress Inspection

Monitor



Remote Management
DWSS
MiC / Façade, GPS



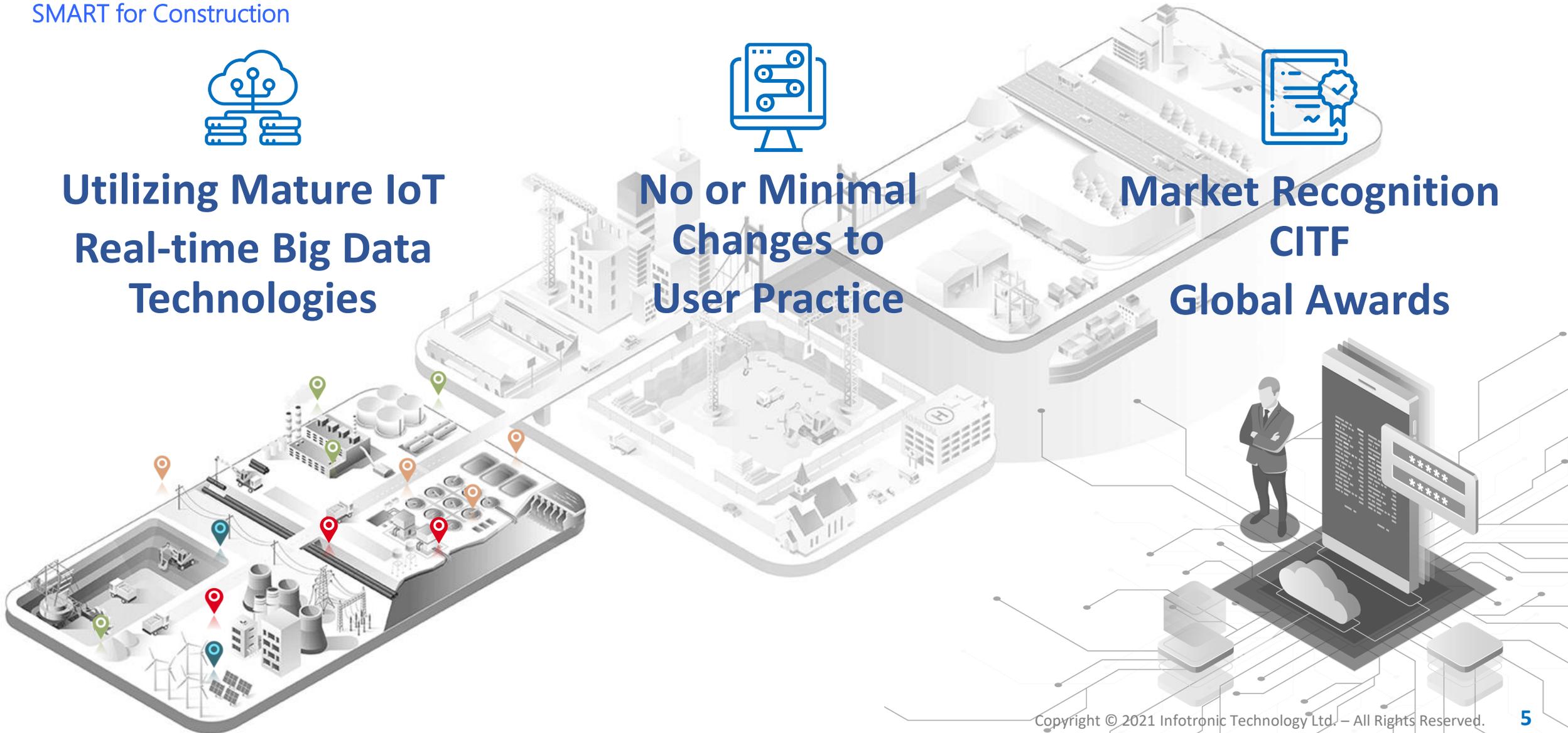
**Utilizing Mature IoT
Real-time Big Data
Technologies**



**No or Minimal
Changes to
User Practice**



**Market Recognition
CITF
Global Awards**



人員管理

工人工地實時動態

依據工人出勤及工作動態實時實地記錄，有效的管理分析和調配

智正安全帽

- 重量只有26gm
- 內置一顆兩年半壽命的電池
- 工業級塑料外殼作三防保護（防水、防塵、防撞擊）

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InfoSMART Linker

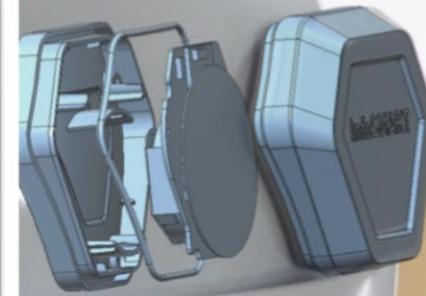
installed at Turnstile for daily pairing of the SmarTag with worker's ID card

InfoSMART™ Attend

智高.智正

Real time Worker Activity Tracking
& Management System

工地工人動態系統



InfoSMART™
智高.智正 IoC Solutions

SmarTag

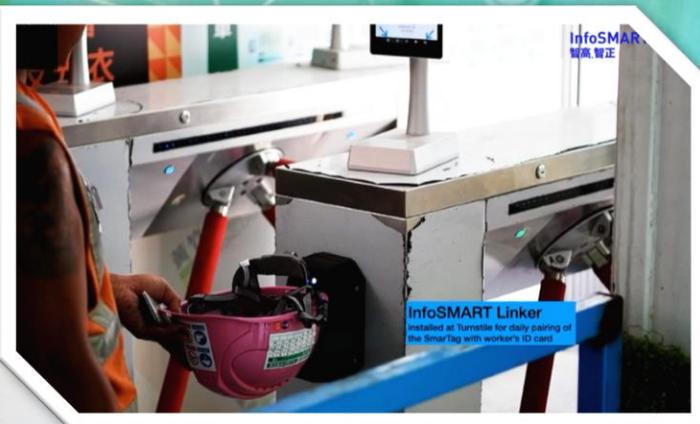
wearable location sensor

Light - 25gm in weight

Robust - IP68 for all environment

Tough - Shock resistant structure

Hassle free - 2+ year battery operation



Worker Fleet Management

Production Analysis

Progress Management

Infection Tracking

Active Safety

Worker Management in Final Stage

Big Data / AI

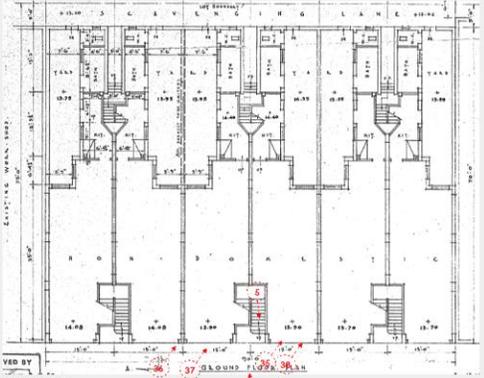
Convention Practice

2-men Team

- One hold description board
 - location / address
 - defect work description
- One take photo
 - copy / edit photo
 - report work
 - send out
- Time Lap
- Human Error
- Less of Credibility
- Not Centralized Data



Number: 2
 Building Name:
 Address: 200-202 Hoi Bun Street
 LMA Book No: 1026
 Photographic Record



5th Floor Plan
 Source:
 Part plan of Building Plan
 BD ref.: 2/487/55
 Drawing No.:
 Approved Date: 27 Oct 1995
 Scale: N1:1



地點: _____
 内容: _____
 R - 21



地點: _____
 内容: _____
 R - 22



地點: _____
 内容: _____
 R - 23



地點: _____
 内容: _____
 R - 24

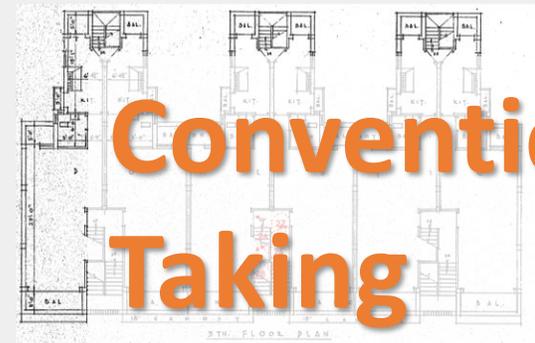


地點: _____
 内容: _____
 R - 25



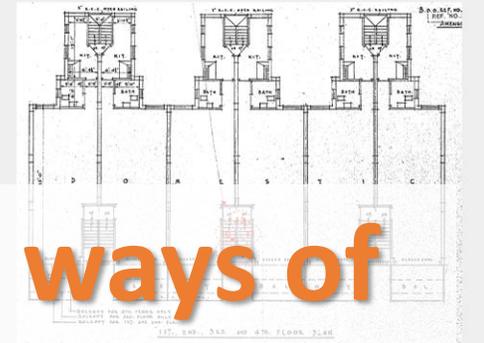
地點: _____
 内容: _____
 R - 26

Number: 3
 Building Name:
 Address: 200-202 Hoi Bun Street
 LMA Book No: 1026
 Photographic Record



5th Floor Plan
 Source:
 Part plan of Building Plan
 BD ref.: 2/487/55
 Drawing No.:
 Approved Date: 27 Oct 1995
 Scale: N1:1

Convention ways of Taking Defect Records



1st Floor Plan
 Source:
 Part plan of Building Plan
 BD ref.: 2/487/55
 Drawing No.:
 Approved Date: 27 Oct 1995
 Scale: N1:1

PHOTO RECORD - Final Defect of Public Area
 Premises: MG Tower, 133 Hoi Bun Road, Kwun Tong, Kowloon
 Date: 14 May 2012

R - 1
 R - 2



地點: _____
 内容: _____
 R - 3



地點: _____
 内容: _____
 R - 4



地點: _____
 内容: _____
 R - 5



地點: _____
 内容: _____
 R - 6

PHOTO RECORD - Final Defect of Public Area
 Premises: MG Tower, 133 Hoi Bun Road, Kwun Tong, Kowloon
 Date: 14 May 2012

R - 13
 R - 14



地點: _____
 内容: _____
 R - 15



地點: _____
 内容: _____
 R - 16



地點: _____
 内容: _____
 R - 17



地點: _____
 内容: _____
 R - 18



5th Floor Plan
 BD ref.: 2/487/55
 Drawing No.:
 Approved Date: 27 Oct 1995
 Scale: N1:1

PHOTO RECORD - Final Defect of Public Area
 Premises: MG Tower, 133 Hoi Bun Road, Kwun Tong, Kowloon
 Date: 14 May 2012

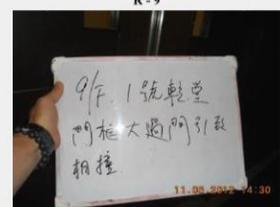
R - 7
 R - 9



地點: _____
 内容: _____
 R - 9



地點: _____
 内容: _____
 R - 10



地點: _____
 内容: _____
 R - 11

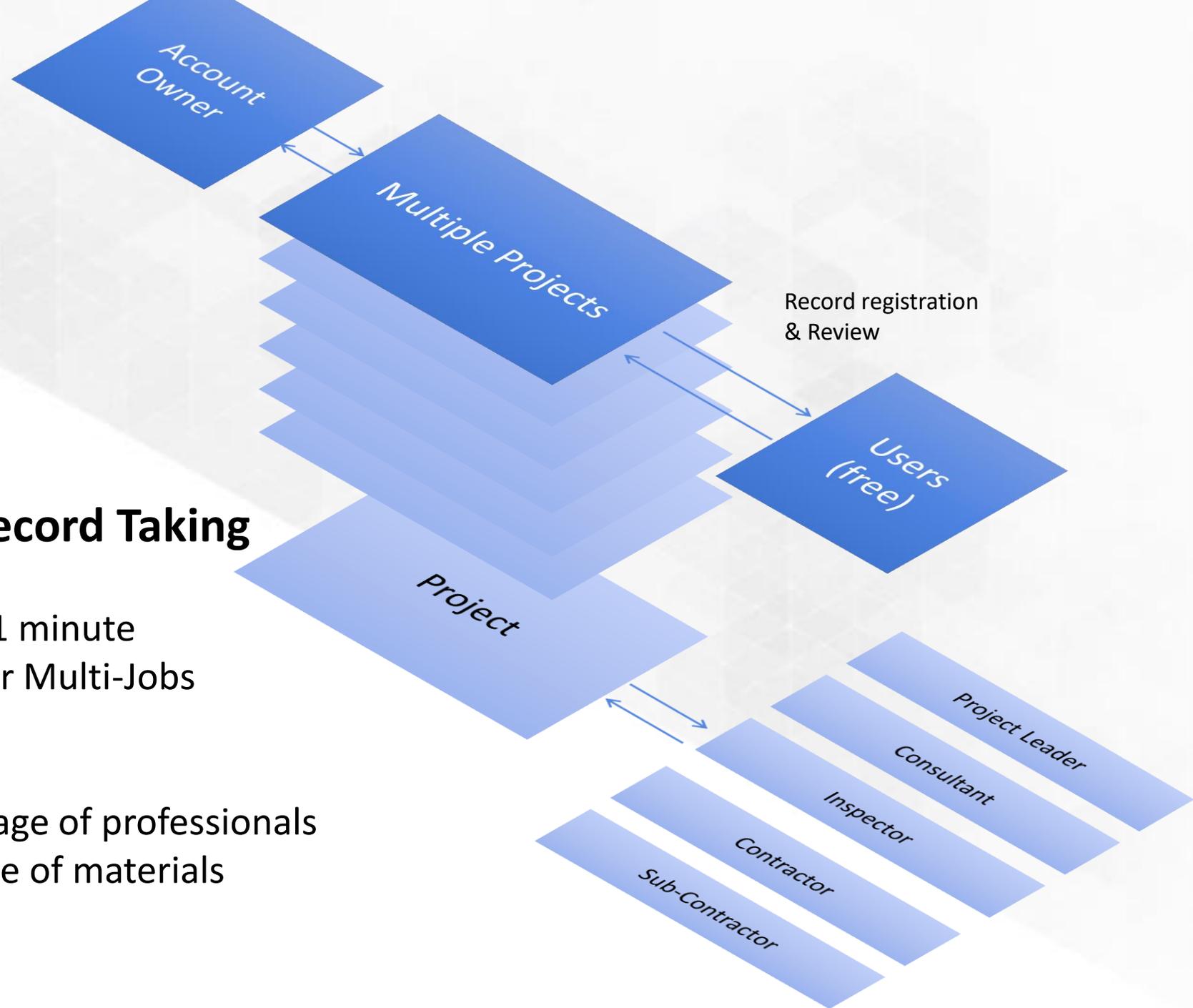


地點: _____
 内容: _____
 R - 12

也點
 內容

Good for Inspection and Record Taking

- Mobile + Cloud-base System
- One Day Jobs now finished in 1 minute
- Single Monthly Subscription for Multi-Jobs
- Increases efficiency
- Saves time and cost
- Resolves the problem of shortage of professionals
- Less of human errors and waste of materials



InfoSMART xTrack in MiC



Plant Rooms

- Checklist for quality assurance and standard working procedure
- Maintenance Officer and Technician Attendance

Switch Room



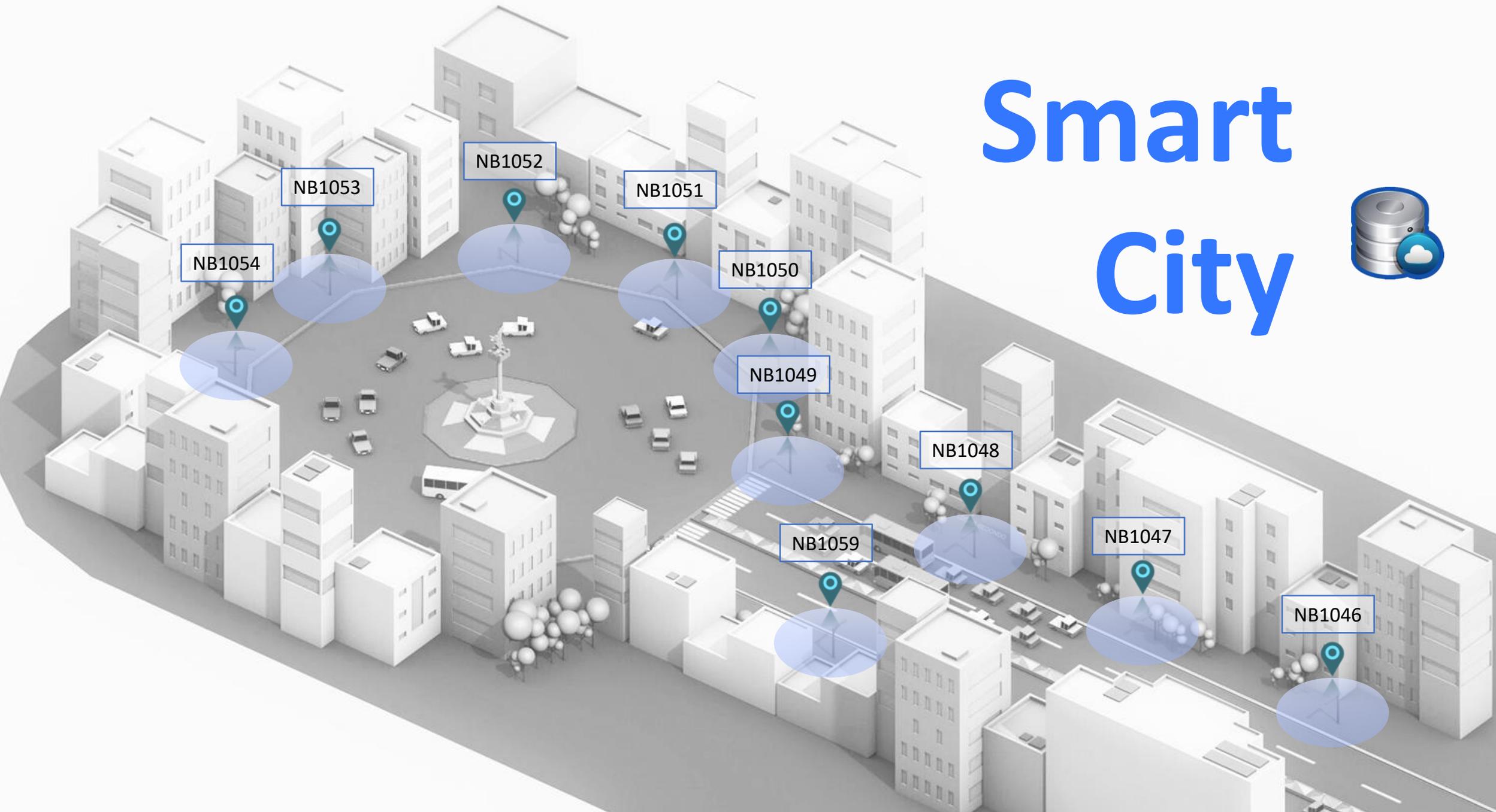
4/27/2022

Pump Room



Lift Machine Room

Smart City





InfoSMART™ Systems

- running full speed in push **Smart Construction** to the sites
- happy to participate in any events/projects relating to Smart Construction **SMART City** if we can be helpful

Solve Construction Pain Points / Live Up BIM

Construction Stage

MIC / DWSS

Property Management

Urban Redevelopment, MBIS

SMART City



InfoSMART™

智高.智正

Solve Construction Pains
Live up BIM

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