

DTT IoT



ABOUT US

DTT (Deep Thinking Technology Pte Ltd.), founded in 2018, is dedicated to providing intelligent information technology services for infrastructure construction, maintenance and operation management.

Our technology service offerings including Facility Intelligence System, IoT, Intelligent Construction Engineering Quality Management System, Business Intelligence, and integrated custom solutions cover several industries and across Asia Pacific area.

Integrating leading-edge information technologies such as Cloud Computing, Big data, IoT, AI, etc., and driven by a desire for efficiency, innovation and together with a highly Customer Centric Service philosophy, we continue to remain focused on building up an “Automated, Standardized, Reliable, and Intelligent” facility management mode for our clients, advancing to maximize financial visibility and profitability, turn data into opportunity and drive better business decisions across the organizations and growing value for all our stakeholders in the future.



Cloud Computing, Big data, IoT, AI, etc., we focus on new technology and keep on innovation.



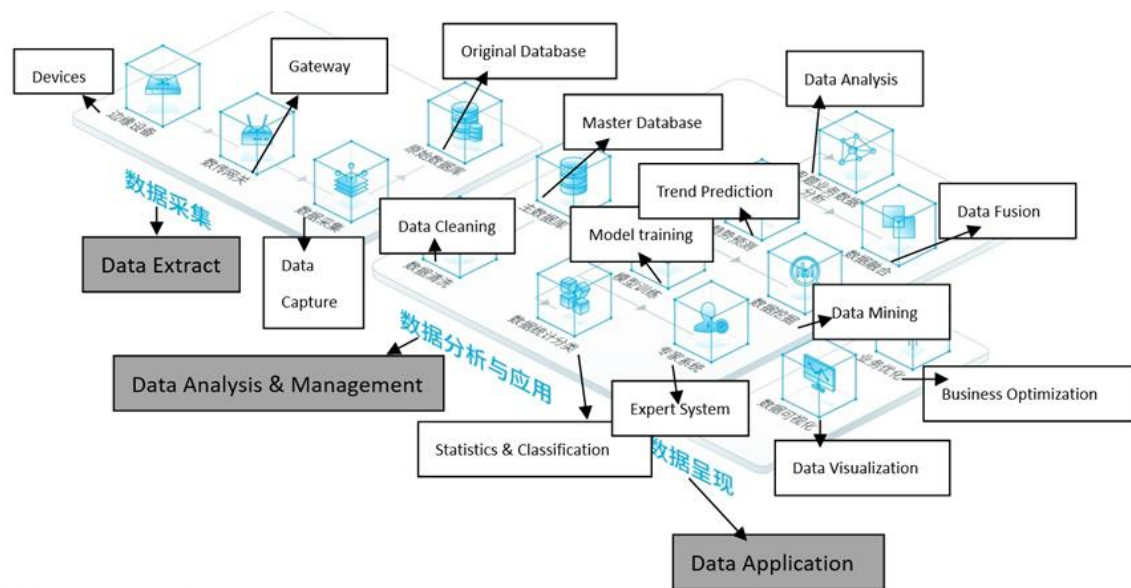
Agile development and rapid iteration, we upgrade the system quickly at needs.



With a highly Customer Centric Service philosophy, we serve customers at any time you need.

IOT INTRODUCTION

Swiftly and securely connect to millions of devices/sensors, DTT IOT helps to extract data, analyse and transform data into meaningful insights, which can optimize business operation and drive better decision-making.



Capture and Normalize Data to make it Usable

Securely connect, compute on edge and fog nodes in distributed network, visualize IoT data to better plan and increase productivity.



Unlock the Power of IoT Data

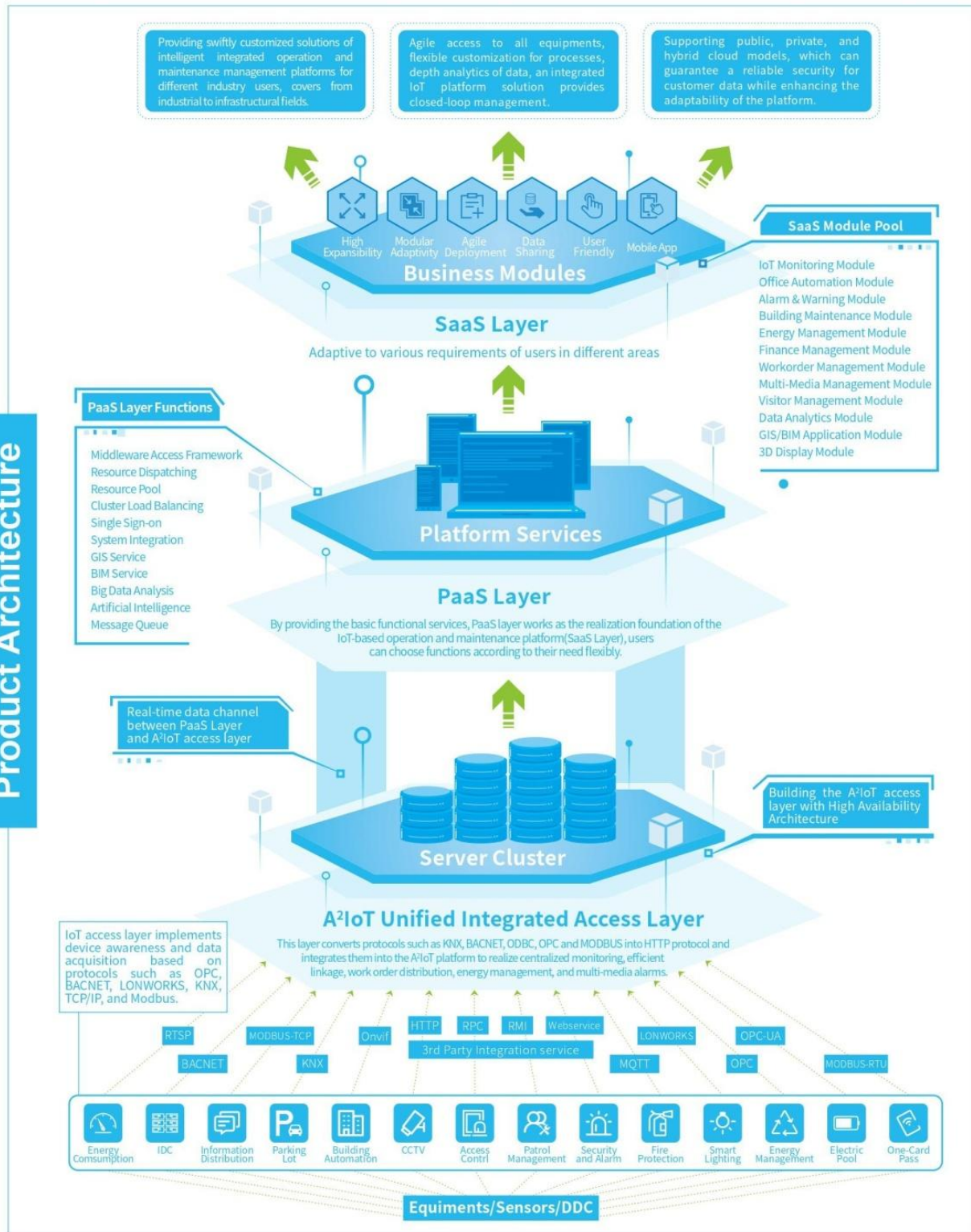
Identify valuable data insights related to device behavior and get maximum value for your business.



Optimize Business Operations and Resource Utility

Cut operational cost by understanding IoT devices and do operations more effectively and efficiently.

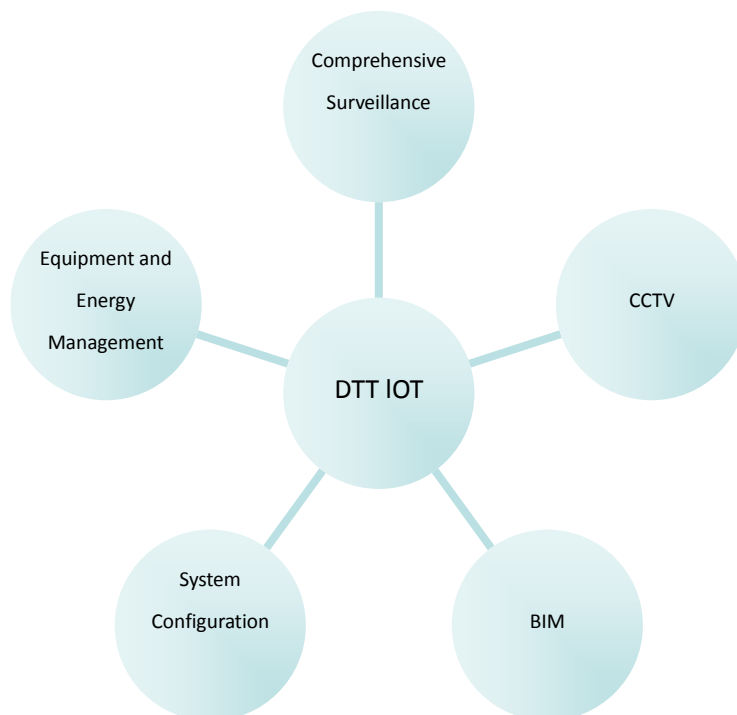
Product Architecture



KEY FEATURES

Web-based system	User-friendly UI	Scalable
Support multiple protocol types, no matter standard or non-standard	Swiftly and securely connect to devices/sensors, and real time monitoring	Efficiently tracking device failures and send alert notification
Data collection and intelligence analysis	Multiple data visualization form including list, dashboard, graphic charts, etc.	Support integrated with BIM, GIS, and 3 rd party application

CORE MODULES



1. Comprehensive Surveillance

Monitor the overall operation status of equipment/devices, make statistics about the electricity consumption, the consumption of heat and cold metering, indoor/outdoor temperature and humidity, PM2.5 concentration in real time. Users can quickly grasp the overall situation by the system.

Key Features:

- ✧ Analysis and calculate power consumption per unit area
- ✧ Monitor equipments/devices operating status, supporting search by equipments/devices types, supporting display by colors, and by floors
- ✧ Real time monitoring and update data about indoor/outdoor temperature, humidity, and pm2.5, displaying by graphic charts
- ✧ Support a series of interactive charts that display real-time statistics from sensors, calculate statistics like average value, maximum, minimum, etc. and data developing trend
- ✧ Support data compared in the same period
- ✧ Search and view power/cold/heat consumption history data by defined dates, supporting display by graphic charts

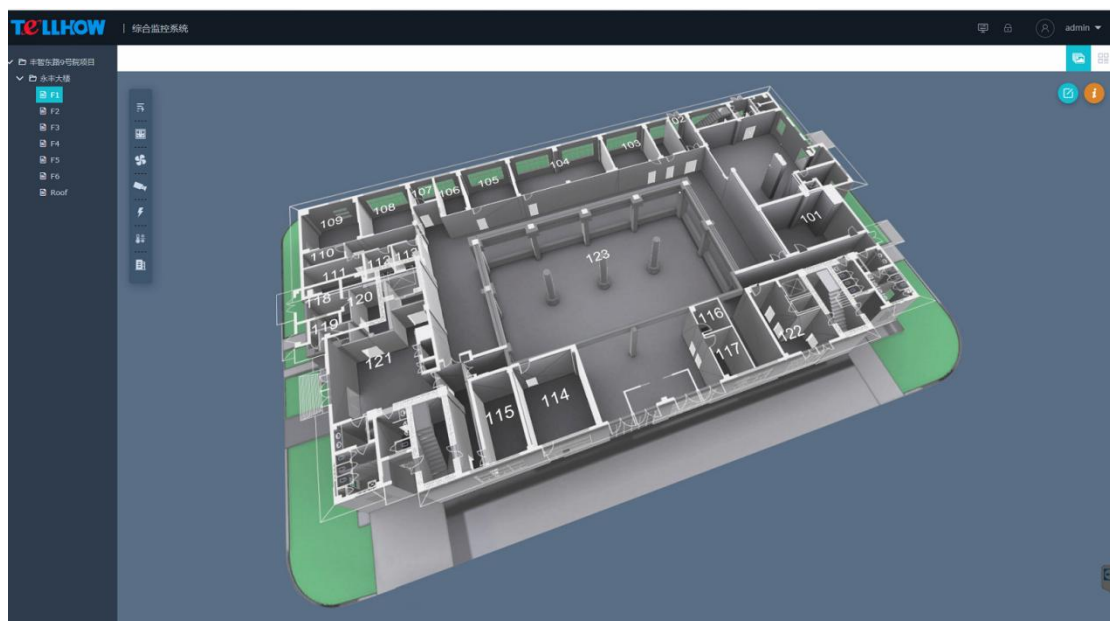


2. Equipment and Energy Management

Real-time monitoring of the equipments and energy consumption, control equipments remotely, alert for abnormal situation, it can help maintenance operators easily and timely detect and solve the problems and ensure the normal operation on site. And 3D display view page is easier to locate the equipments.

Key Features:

- ✧ Real time monitor of energy consumption, including power consumption, PM2.5, temperature, humidity and equipments status
- ✧ Calculate and analysis of energy consumption for each floor/unit of current month, including total power consumption value & ratio, power consumption value & ratio of different types of equipments, temperature/humidity/PM2.5 average value & status
- ✧ Can search history data of power consumption/temperature/humidity/pm2.5 by defined dates, supporting display trends as graphic charts
- ✧ Can add/edit equipment/device, and customize the location on the floor plan
- ✧ Remotely set the equipment/device on/off, set control mode and threshold
- ✧ Can search and view the operation log of equipment/device
- ✧ Can switch display viewing mode: dashboard / 3D floor plan

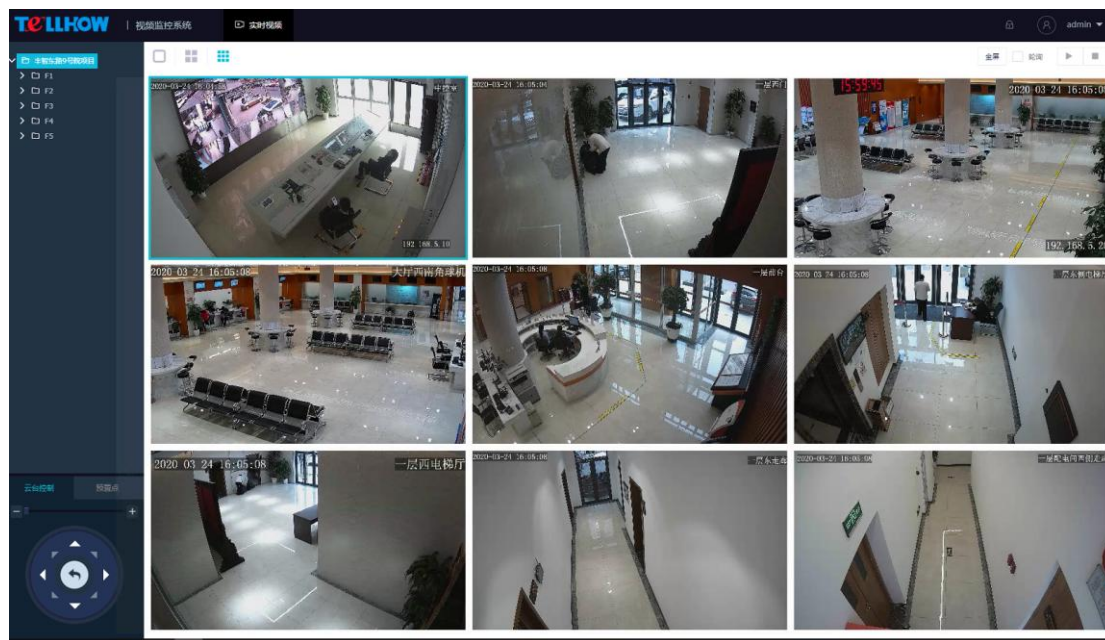


3. CCTV

Connect to cameras, real-time and all-round image monitoring, it helps to keep watch over security situation on site. Multiple view modes and display form make users easy-to-use and switch monitor screen quickly by demands.

Key Features:

- ✧ Real time monitoring
- ✧ Support multiple display mode: positioning display/multi-view display/patrolling display/full screen display
- ✧ Supporting 1*1/2*2/3*3 view modes
- ✧ Can set start/end of patrolling mode by demands
- ✧ Pan-Tilt control: zoom in/out, can adjust camera shooting by direction button
- ✧ Support set and save multiple custom PTZ shooting angle as preset points



4. BIM

DTT IOT provides an interface that integrates with Building Information Models ("BIM") to provide 3D visualization capabilities. It can connect to equipments/sensors and store, manage, calculate, analyze, and display data in BIM, so that users can acquire and view various data information which related to the location in BIM. Multi-view display and roaming with first-person view functions make it intuitive and easy to locate.

Key Features:

- ◇ Project information viewing in BIM model
- ◇ Connect to equipments/sensors to view real-time monitor data, including indoor/outdoor temperature, humidity, pm2.5, etc.
- ◇ Easy to switch to view data information for building/floor/unit
- ◇ Easy to locate equipments/sensors in BIM

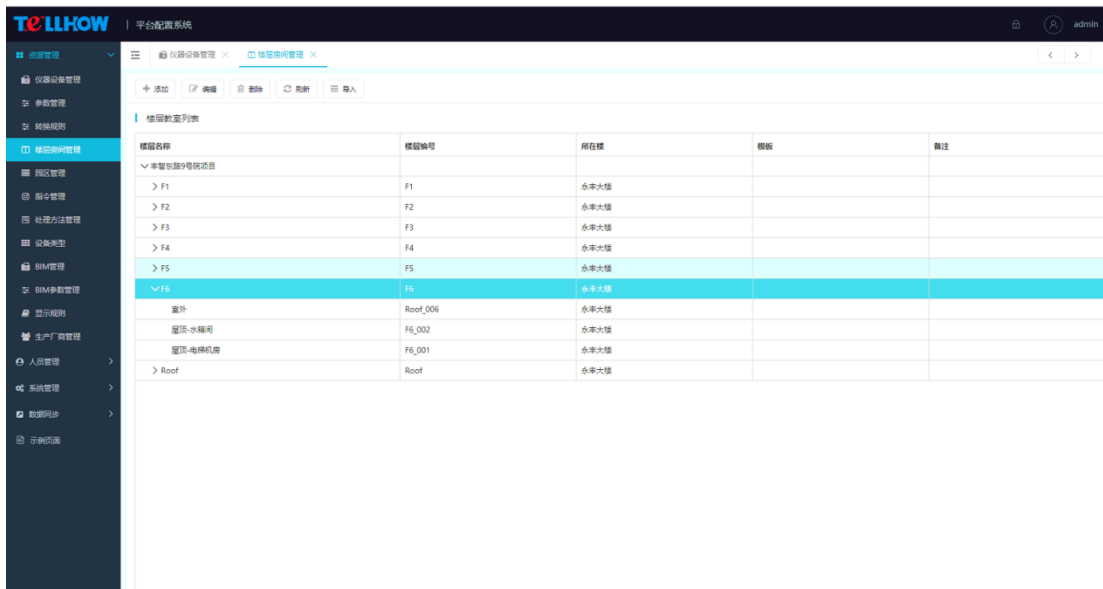


5. System Configuration

System configuration used for system setting and data management. It can also support operation for menu configuration, data dictionary definition and system log.

Key Features:

- ✧ System setting for equipment/device, parameter, conversion rules, building/floor/unit, equipment type, BIM, etc.
- ✧ Add/edit/delete information and parameter
- ✧ Support bulk import
- ✧ Can search by different conditions



楼名	楼号	所在楼	楼层	备注
▼ 非智能楼宇项目				
> F1	F1	永丰大楼		
> F2	F2	永丰大楼		
> F3	F3	永丰大楼		
> F4	F4	永丰大楼		
> F5	F5	永丰大楼		
> F6	F6	永丰大楼		
室外	Roof_006	永丰大楼		
屋顶-水箱间	F6_002	永丰大楼		
屋顶-电梯机房	F6_001	永丰大楼		
> Roof	Roof	永丰大楼		

Think deep. Do well.

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THINK DEEP. DO WELL.

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