

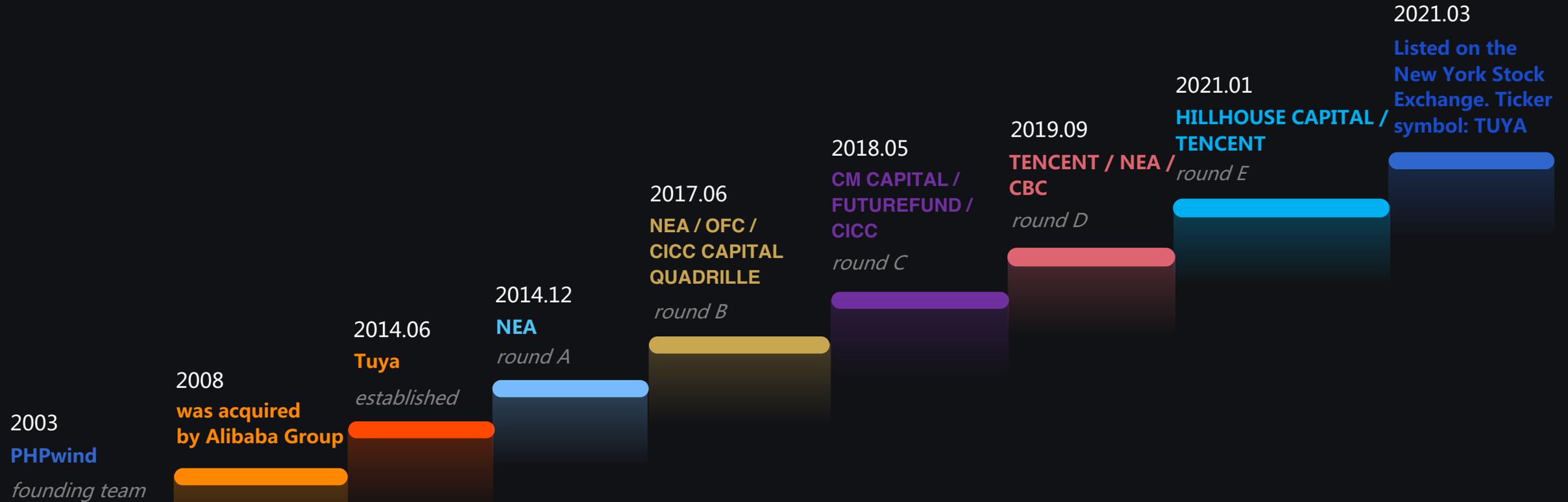


Global IoT Development Platform

Smart Homes · Smart Businesses · Smart Cities · Smart Industries

U.S. | Germany | Japan | India | Colombia | China

Global IoT Development Platform

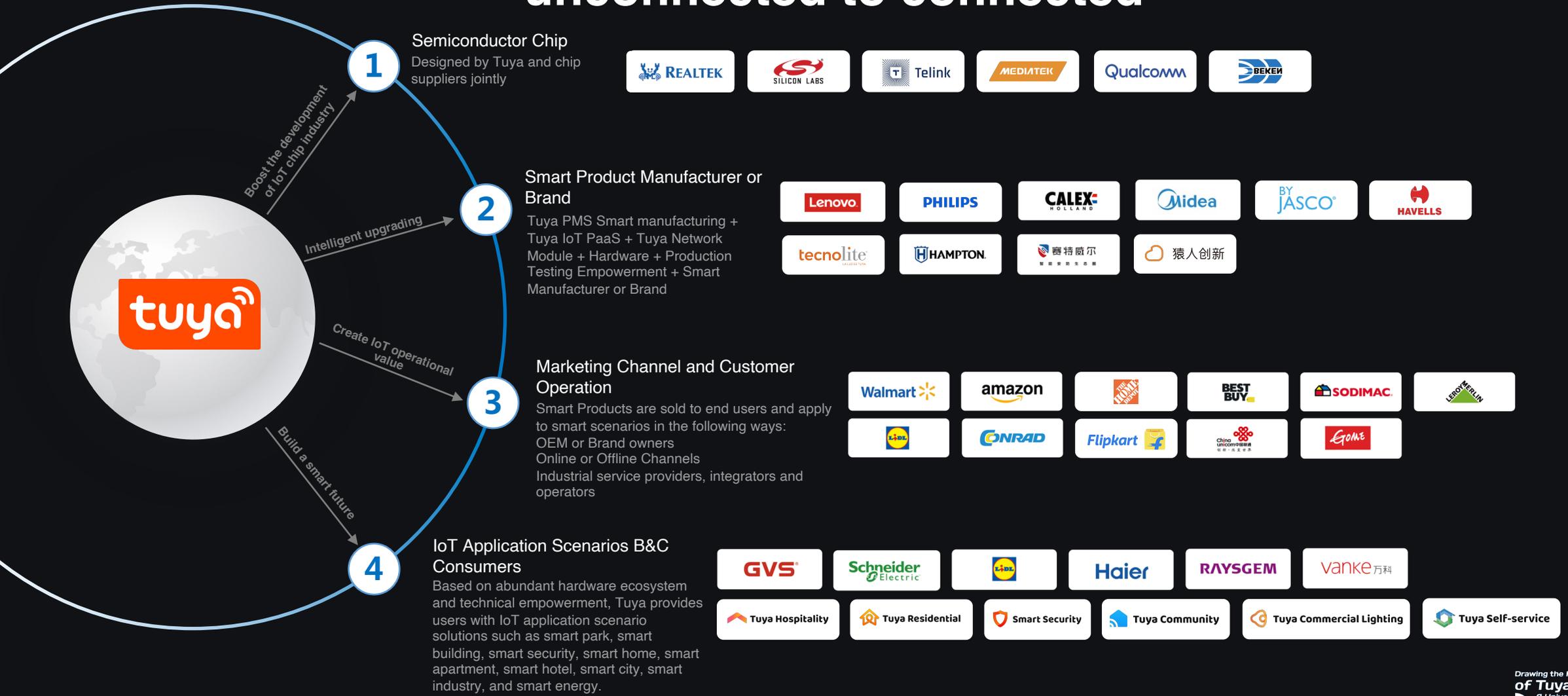


Tuya currently has headquarters in China, the United States, Germany, Japan, India and Colombia, with nearly 4,000 employees, of which 70% are R&D personnel

U.S. | Germany | Japan | India | Colombia | China



Tuya Global Platform – enabling businesses to create a new revenue stream by taking products start to finish from unconnected to connected



Powerful Tools for Developers

Helping Businesses Build a New Form of Commerce

Where Everything can be Interconnected



IoT Development Platform empowering 384,000 businesses worldwide

Ecosystem partners from manufacturer/retailer/operator to business in real estate community/elderly care/security/hospitality and residential/industry and agriculture

Tuya-Powered European and American Brands



Other International Brands Powered by Tuya



Tuya-Powered Chinese Brand



From a Simple Connection to Interconnection of All Things to a fully Connected World



'Powered by Tuya'

'Powered by Tuya' (PBT) is a mark of interconnectivity across different brands and categories. Users can easily control any product featuring the PBT label with just one App.

'Powered by Tuya'

410,000+

Smart-enabled device SKUs

38,000+

Number of products supporting AI voice

1

Top 1 Product Diversity Worldwide

100,000+

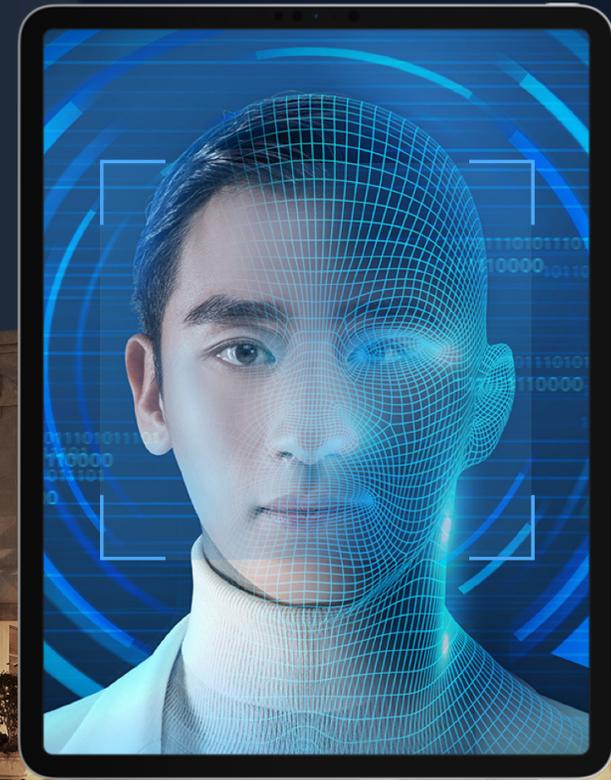
Smart devices 'Powered by Tuya' are available in over 100,000 stores all over the world



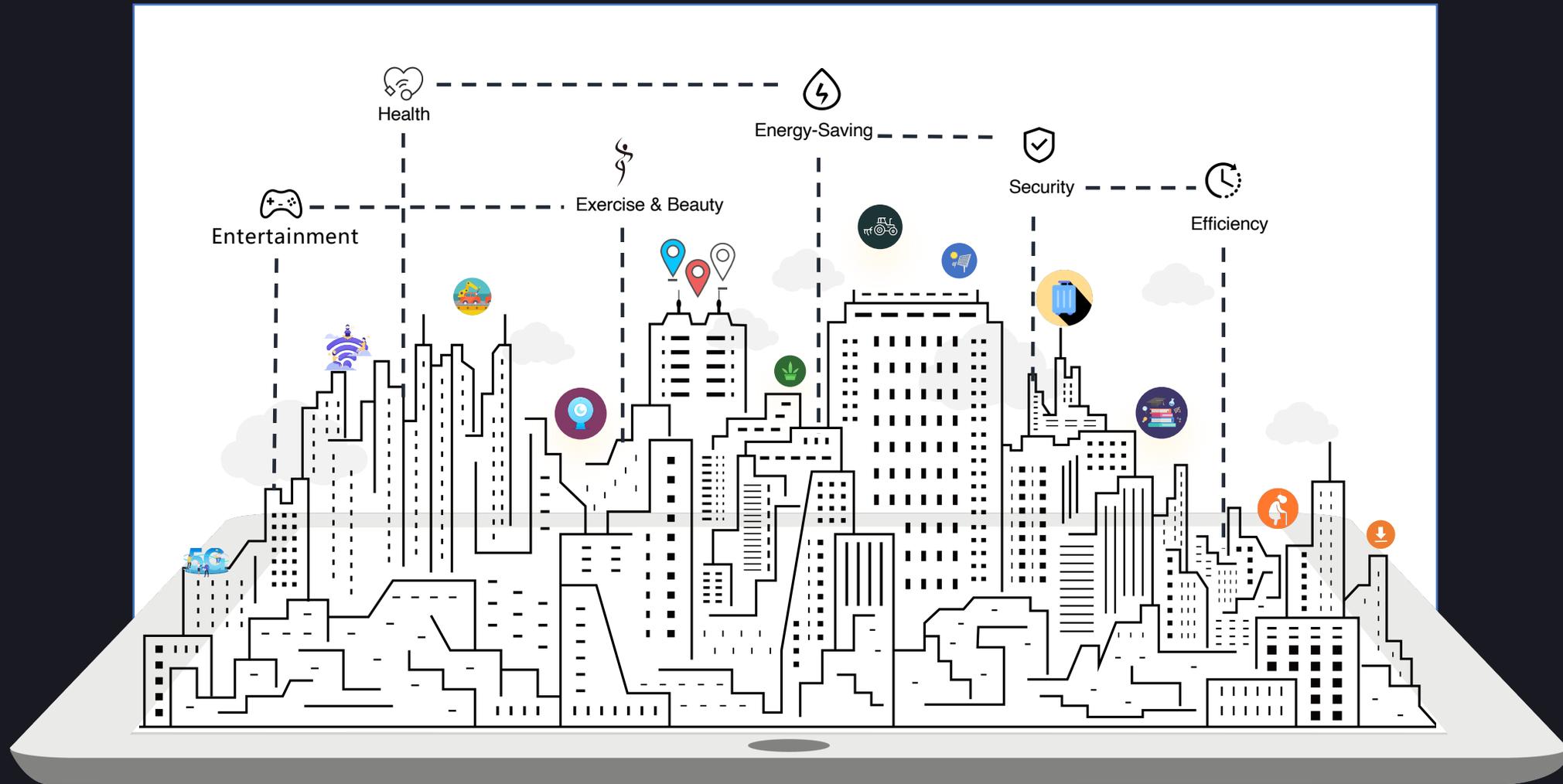
Tuya's smart manufacturing platform creates the "One App, All Smart" intelligence 3.0 Experience

Through the Tuya platform, you need just one app to create an interconnected visual and voice experience, controlling all categories of products at the same time

- ✓ Lighting & Power
- ✓ Home Appliances
- ✓ Security & Sensors
- ✓ Industry & Agriculture
- ✓ Health
- ✓ Energy
- ✓ Digital & Entertainment



One App+6 Rigid Demands+N



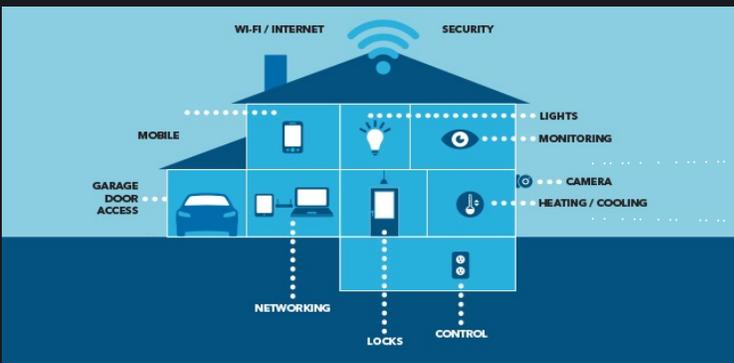
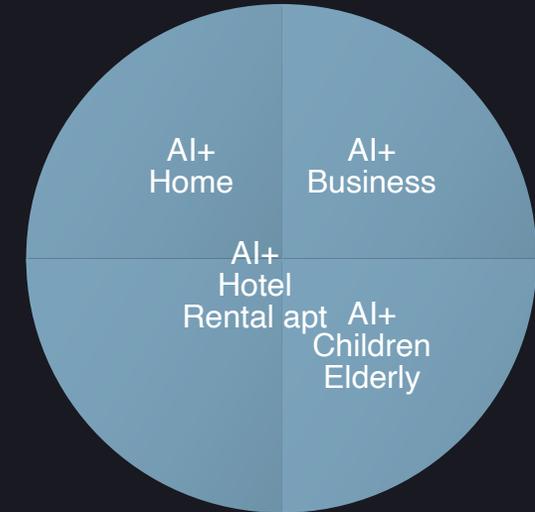
73 million AI vision and security service responses

AI Vision Edge Computing Products



Product Launches

AI Pad (2019 Q2)
AI Camera (2019 Q3)



- FR + FD (lfw 99.83+, mega face 98.0+)
- Embedded deep learning suitable for multiple chip platforms
- Dynamic target tracking of video feed
- Accurate perception (e.g., diving for a football, identifying movie classification)
- NLP, language recognition and voice capturing technology

1.5 million / sec

Number of requests processed by
Tuya IoT PaaS devices (peak)

<10 ms / time

Tuya IoT PaaS average response time



Technology Alliances

Ecosystem Partners

Contributor

Joined the IoT workgroup

Tuya has launched 200+ Wi-Fi modules since the beginning of the partnership

Participant

Participated in the Smart Home workgroup and joined the standard establishment group

Tuya has launched 50+ Bluetooth modules since the beginning of the partnership

Promoter

Became a member of the Board of Directors to establish the Matter standard

70+ products have received the Zigbee 3.0 certification

tuya amazon

With an in-house testing lab for Works With Alexa certification, Tuya could be your solution partner for IoT development.

tuya works with Hey Google

Tuya Smart works with the Google Assistant for hands-free help around the house

tuya Microsoft

Microsoft now deploys "Powered by Tuya" devices on its cloud platform, Azure.

tuya works with SmartThings

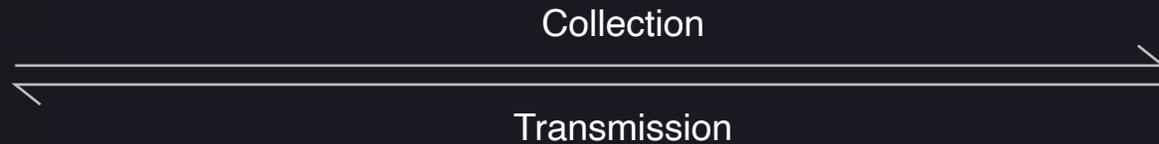
Tuya is now Works With SmartThings (WWST) certified to offer its advanced smart solutions via Samsung's SmartThings app.

tuya works with Apple HomeKit

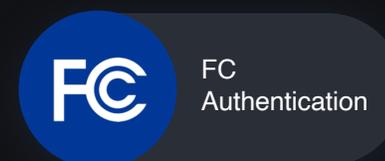
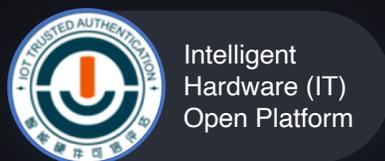
Easily and securely control lights, doors, thermostats, and more using your Apple device and Tuya App or Siri.

Privacy and Security Protection through the Entire Data Lifecycle

- 1 Minimize**
 Minimize the collection of personal information
- 2 Comprehensive User Rights**
 Continuously optimized technology and management to ensure users' right to know, access, correct, and transfer data
- 3 Safety Guaranteed**
 All user data secured on the Cloud Platform; Encrypted data transmission and storage
- 4 Third-party Cooperation**
 Cooperation with TrustArc for constant privacy and security improvement
- 5 Privacy and Security Compliant**
 Receive ISO27701 privacy security certification and GDPR/CCPA audit certification from third parties



Industry Leader in Global IoT Security Compliance



Tuya's Smart Solutions

Cloud Development Platform and Industry SaaS

Tuya Hospitality

Tuya Commercial Lighting

Tuya Residential

Tuya Community

Smart Security

Tuya Self-service

There are over 22,500 solution developers on the Cloud Development Platform

创维

磊科

activehouse

微羽

RAYSGEM
a matter of taste

Le+

powering tomorrow
Growatt 古瑞瓦特

声必可
AISPEAKER

GVS

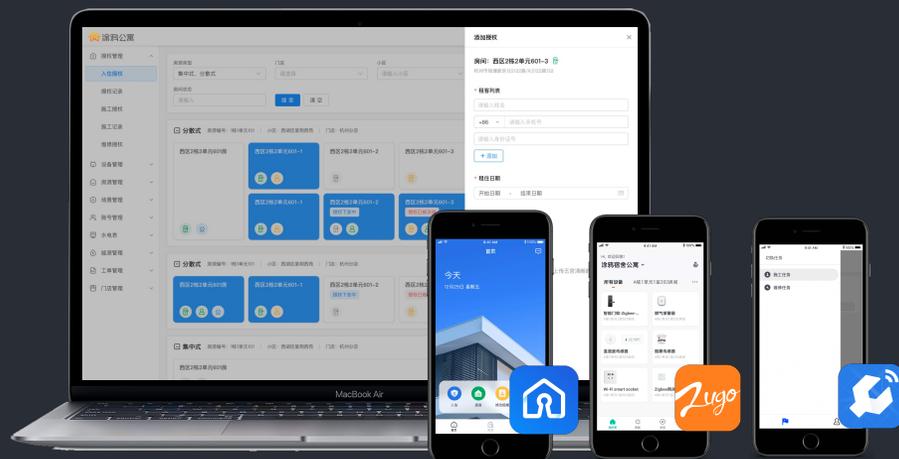
SIEMENS

赛特威尔
SITERWELL

Strategy and Tools for Tenant Operations

The key to opening long- and short-term rentals

Tuya Residential provides intelligent software and hardware together as a one-stop smart apartment solution



There are three Apps in SaaS backend, which can meet the needs of both the business and individual customers.



Entrance access control products



Energy consumption management products



IoT gateway products



Safety and sensor products



More PBT products



Comprehensive solution provider



Enterprise staff
Dormitory management



Typical overseas customer



Office space management



Third-party developer of the apartment SaaS



Apartment management



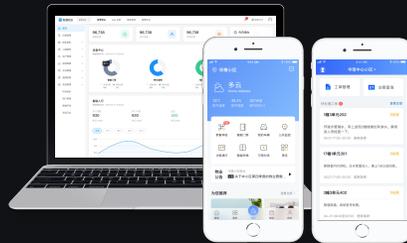
Short-term rental home stay

Tuya Apartment relies on the 'Powered by Tuya' product ecosystem capability to provide one-stop software and hardware solutions to hardware manufacturers, channel partners and brand owners, and meet various needs of the developers to serve their customers through open API and SDK accesses.

Redefining the Future of the Community and Achieving a Real 'Live Smart' Experience

Tuya Community provides smart community solutions based on IoT platform capabilities

Application side

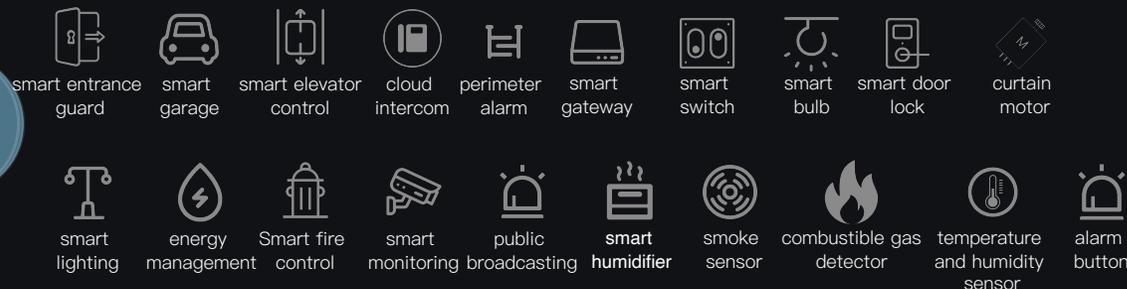


Property Operation Management Platform | Owner App | Property Mobile App

Connection side

Tuya Smart Community Platform

Device side



Smart Home

A complete whole-house hardware ecosystem, with massive selected products across brands and categories, and hundreds of intelligent scenarios

Smart Community

Provide intelligent services in the community, such as access control, vehicles monitoring, etc. The services connect the whole scene interconnection between family and community, and brings a more comfortable living experience for the residents

Smart property

Provide convenient property service applications, including online payment, visitor management to digitalize community management

Smart Service

Provide intelligent scene services based on smart home devices, enhance customer stickiness, and tap the real community traffic portal value

IoT and Smart Connection Bring More Possibilities to the Security Industry

Genie Security empowers global smart home brands to expand smart security market

Scene



Home Security



Business Security



Fire & Flood Protection



Medical Alert



Alarm Monitoring

Software



Smart Security Service Platform



Add-On Applications



Smart Security App



Security Station App

Platform

Cloud Service

Open API

SDK

Data Analysis

Device



Security



Video



Access



Wellness



Automation



More

World-renowned brands are using Tuya Smart Security Solutions

A large Latin America-based distributor of electronics and information technology built own security brand via Genie Security SaaS solution.



A Singapore smart home and smart health brand cooperates with Genie Security to build security systems for customers.



A professional security service provider in the Czech Republic, Genie Security provides Open API and SDK for integration.



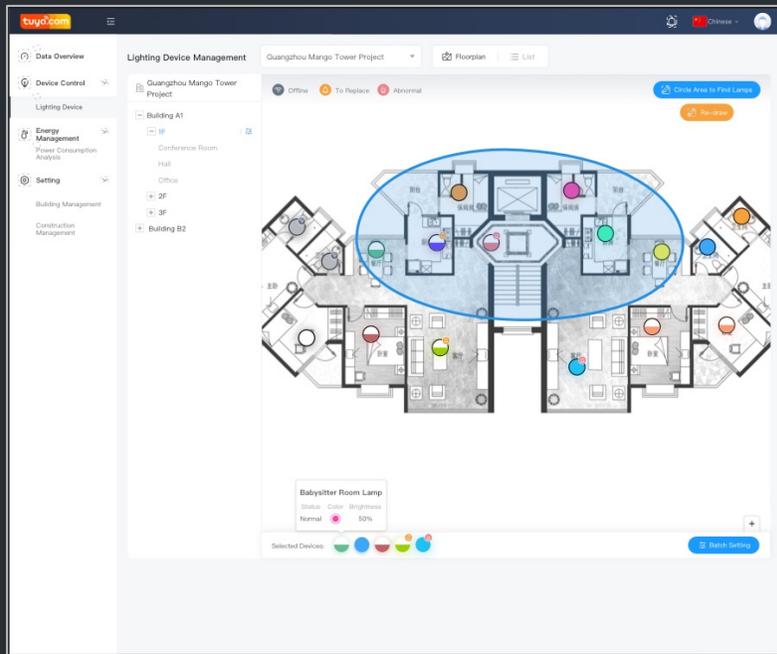
Famous consumer electronics brand in South Africa Tuya helps SMD to develop security system, and connects to the local alarm center.



New Infrastructure and 5G A New Opportunity for the Development of Smart Cities

Tuya commercial lighting facilitates the centralized management for smart building to improve operations and maintenance efficiency

商业照明场景主要设备



Data Overview | Equipment Visualized Management |
Energy Management | Construction Management

Main equipment



Smart Gateway



Smart Lighting



Smart Drive



Smart Converter



Multi-control Switch

More selection



Wall Switch/Scene Switch



Smart Sensor



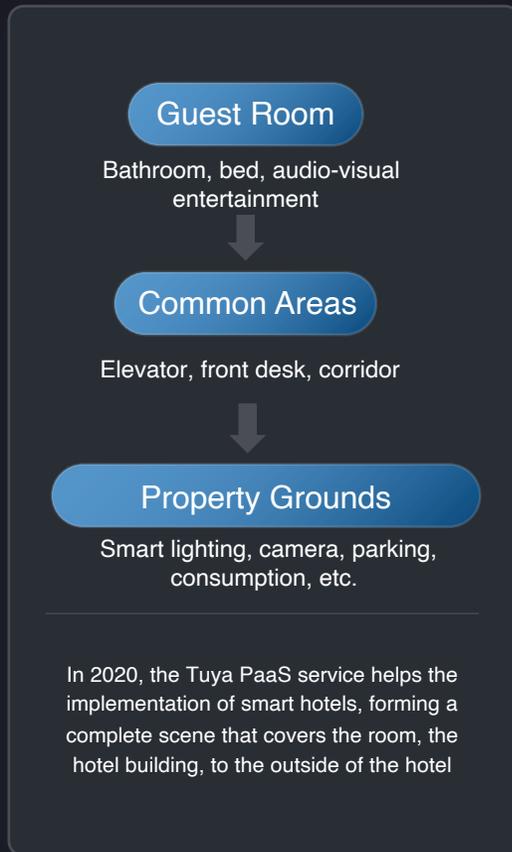
Smart Remote Control

Global Partnership Brands



Empower Digital Transformation for Hospitality Reduce Costs and Increase Efficiency

Tuya Hospitality I helps smart hotels develop platform-level solutions



SaaS for brand, hotel operation, service provider, and WeChat applets

Provide new value-added services for diverse role in the hotel industry

Enable higher efficiency for project hosting function, hotel dynamic management, and work order circulation, etc

Rich hardware combination in the hotel scene, including various PIR, hotel door lock, panel, temperature control, gateway, curtain motor and other devices

Enable a number of leading global brands in smart hotels

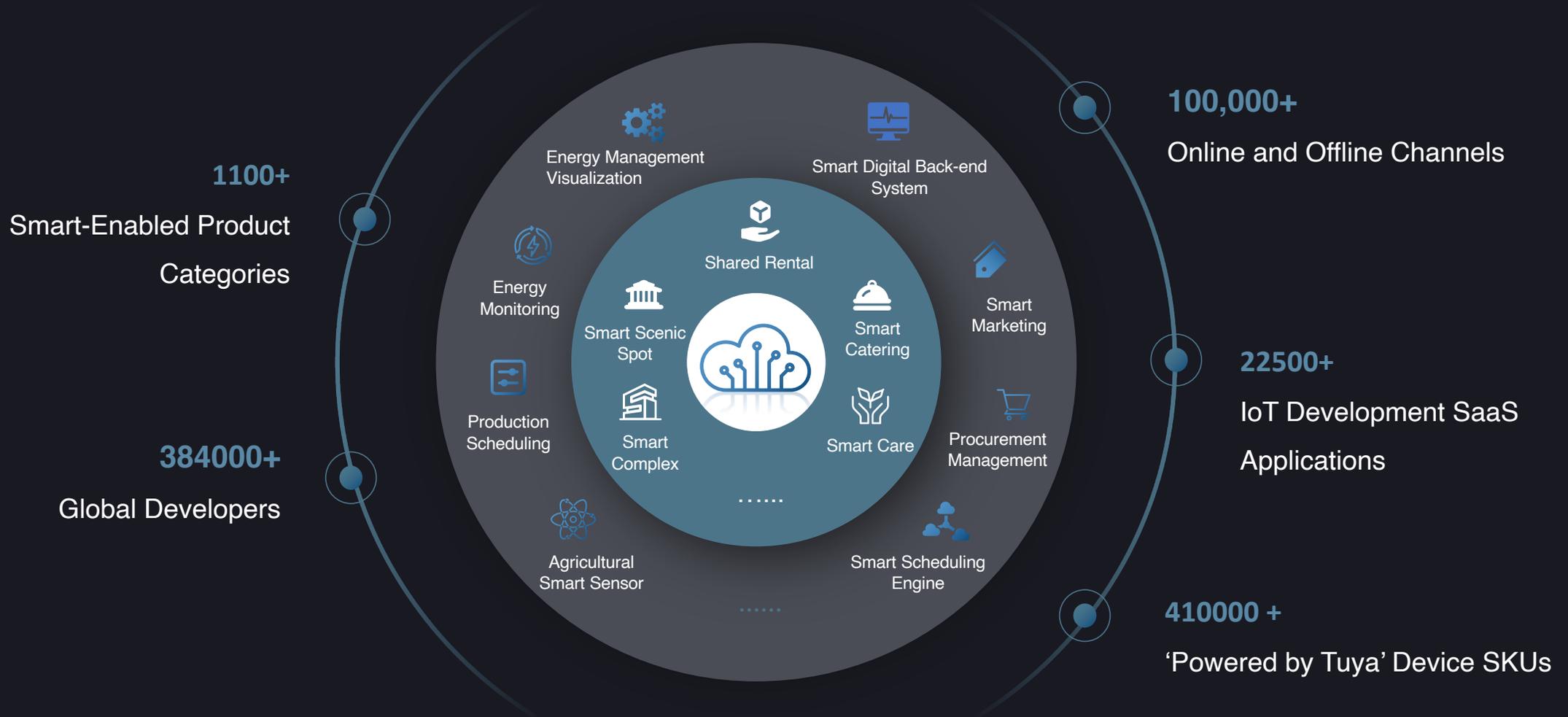
25+ projects completed, covering 30,000+ hotel rooms

The Unmanned Market Rise Up, and IoT Drives Leasing Innovation

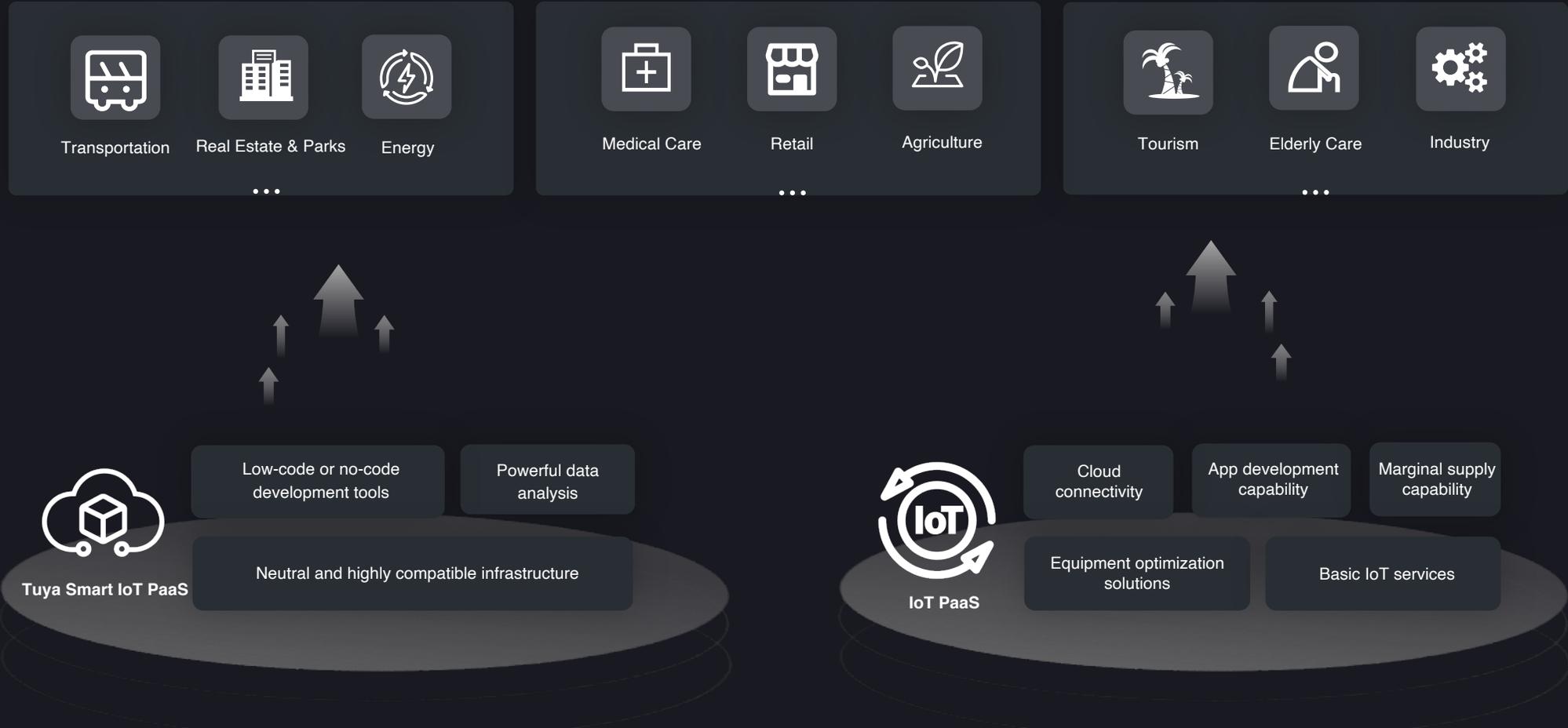
Tuya Self-Service Equipment SaaS empowers the efficient unmanned operation of equipment leasing and assets.



Provide Comprehensive Infrastructure for the Smart Industry



Digital Intelligent Base Accelerates the Empowerment of Hundreds of Industries



How to Make a Seamless Connection in the Real Estate and Parks Market?

Tuya **Smart Real Estate and Parks** Solutions will help promote the development of full-stack intelligence for interconnection and interoperability.



Meet the Demands for Digitalization

Tuya Smart provides all the digital capabilities to meet the needs of real estate and park businesses, from private residences to integrated rental communities, from independent shops to large commercial complexes, from smart classrooms, libraries, dormitories, and other single scenarios to the digitalization of an entire campus scenario.



Promote the Development of Full-Stack Intelligence

Build a strategic data center to realize the full-stack service capability from smart projects to smart internal management of real estate agency.

Smart Campus

- Campus Traffic
- Visitor Management
- Campus Security
- Energy-Saving
- Teaching Environment Monitoring
- Energy Consumption Management
- Attendance Administration
- Classroom Seat Reservation
- Smart Course Management
- Electricity & Fire Safety
- Shared Space Device Management
- Data Visualization

Smart Real Estate & Parks

- Pedestrian Management
- Vehicle Management
- Ladder Control Management
- High-Rise Littering
- Community Safety
- Digital Operation
- Senior Community
- Community Lease
- Working in Industrial Parks

Smart Family

- Vital Signs Monitoring
- Environmental Health
- Security Monitoring
- Intrusion Alarm
- Climbing Alarm
- Emergency Call for Help
- Risk-Area Fencing

Commercial Complex

- Multidimensional Aggregation Service
- Data-Oriented Operation

Strategic Data Center

- Digital Operation
- Strategic Decision-Making



Build a Smart Digital Senior Economic Ecosystem

Tuya **Smart Elderly Care** Solutions meet the needs of diversified smart elderly care.



Meet the Needs of Diversified Smart Elderly Care

Provide home care, community nursing, and high-end institutional elderly care products and solutions to meet the needs of diversified smart elderly care.

A Refined and Intelligent Elderly Care Experience

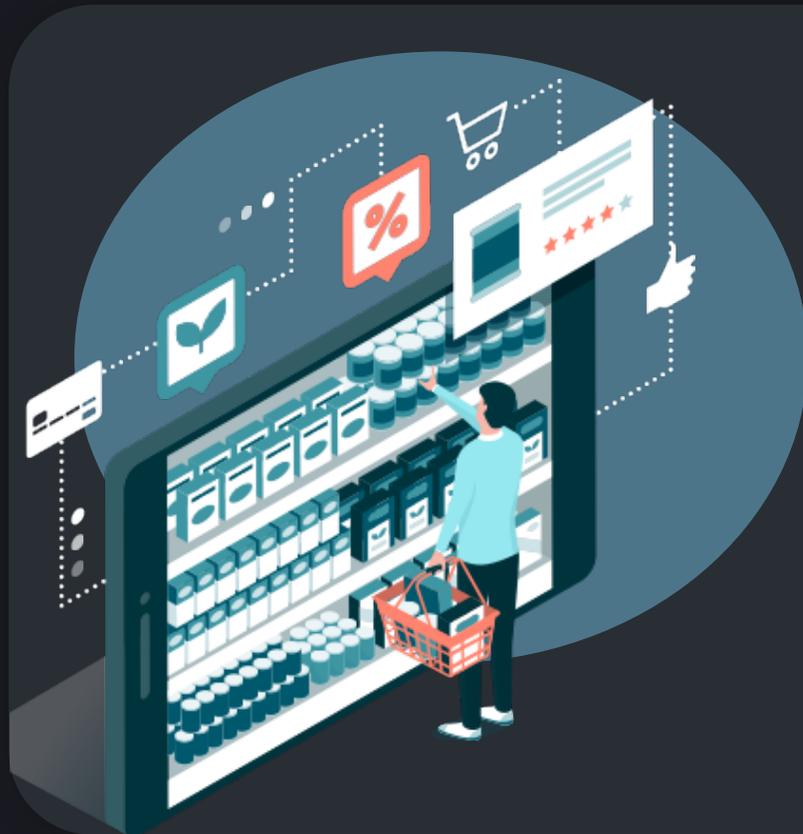
Relying on the IoT platform and rich hardware ecosystem, the solution provides security services, medical services, health services, life assistance, and other hardware and software integration service for seniors.

Build a Smart Senior Economic Ecosystem

Based on the Tuya Smart Elderly Care Solutions and third-party service matrix, a rich economic ecosystem of smart elderly value-added services can be quickly constructed.

The Eve of the Digital Retail Explosion

Tuya **Smart Retail** Solutions create a digital management system that reduces costs and increases efficiency.



Smart Stores

- Smart Shop Patrol
- Membership Marketing
- Store Operation
- Store Security
- Smart Shelves
- Distribution Management



Shared Rental

- Community Equipment Rental
- Home Appliance Rental
- Health Care Equipment Rental

Self-Service Retail

- Self-Service Consumption
- Equipment Operation

Stores with Digital Management

Based on the capabilities of underlying IoT and P2P video streaming services, it provides a complete set of video remote store-patrol solutions, which greatly improves the efficiency and effectiveness of store management and realizes all-round digitalization.

Promote Refined Store Operation and Revenue Growth

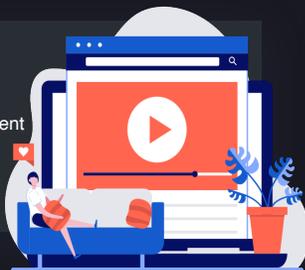
Based on the Tuya IoT platform and the third-party service matrix, through store operation analysis and system labeling processing capabilities, accurate store reception and smart marketing are realized, which ultimately leads to business growth.

The Digital Engine Provides "Smart" Energy

Tuya **Smart Energy** Solutions improve the efficiency of comprehensive energy production and utilization.

Home Energy Scenarios

Intelligent adjustment of electrical equipment / Accurate control of household energy consumption / Realize safe and reliable energy use and create a comfortable environment



Building Energy Scenarios

Energy consumption analysis and diagnosis / Comprehensive energy-control and energy-saving / Unmanned guard



Industrial Energy Scenarios

Energy consumption monitoring / Energy management and control / Unmanned guard/ Equipment operation and maintenance



Park Energy Scenarios

Distributed energy station optimization control system / Energy measurement and transaction / End-use energy saving control



ZMELE 智美 uPowerTek

FSL 佛山照明 阳光照明

DELIXI ELECTRIC LTECH

MKOPTO tecnolite

MW MEAN WELL SUNRICHER

Mantunsci

CYG 长园 长园深瑞继保自动化有限公司

百年企业 创新发展

simon OPPLÉ 欧普照明

MultiIR VEALITE Lighting Partner

EARDATEK TIGIDIGITAL Focus On Smart LED Driver

LARKKEY merrytek

Nader 良信电器 智能化高低压电气系统解决方案专家

GROWATT 古瑞瓦特

FIREFLY Schneider Electric

NVC 雷士照明 光耀心行 智亮未来

Multi-Scenario and Multi-Type Intelligent Algorithms

For homes, buildings, parks, industries, and other scenarios, in-depth cooperation with universities, scientific research institutes, industry experts, etc., provide energy planning, operation and maintenance diagnostics, optimization control, load forecasting, multi-energy efficient coordination, carbon footprint, and carbon emission reduction with multiple intelligent algorithms.

Comprehensive Energy System Equipment Management and Controls

Access power generation, heating and cooling sources, water supply and drainage, fire protection, elevators, and other system equipment through edge gateways and smart controllers, combined with Tuya's cloud edge integrated capabilities to manage and control different types of integrated energy system equipment in various scenarios.

Industry 4.0 Unlocks Trillions of Market

Tuya Smart Industry solutions help build a "Super Factory".



Smart Manufacturing and Production
Digital Factory Construction / Lean Manufacturing / Supply Chain Coordination



Factory Operation and Maintenance
Predictive Maintenance / Remote Failure Alarm / Smart Diagnosis and Repair



Energy Saving in the Factory
Remote Control of Equipment / Strategic Energy Saving / Remote Meter Reading / Energy Monitoring



Factory Security
Accurate Management and Control of Personnel / Environmental Safety / Material Security



Cloud Edge Integration Synergy :
Through Tuya's Industrial Internet IoT Platform, Big Data Platform, Edge Computing Platform, and other advanced overall networking architecture, we can create flexible deployment solutions for different industrial scenarios and help reduce enterprise CAPEX.

Big Data Analysis and Artificial Intelligence :
Analysis of multi-dimensional and heterogeneous data of enterprises, examination of industry mechanism models, and insights into deep logic can help enterprises improve their core competitiveness.

Lightweight Industrial Software Kit :
Lightweight industrial enterprise kit, including ERP, MES, WMS, CRM, SRM, etc., is developed for small and medium-sized enterprises. It is focusing on key data, reducing the difficulty of enterprise purchasing and deployment, and quickly realizing flexible manufacturing capabilities.



Digital Intelligence Leads a New Experience of Convenient Travel

Tuya **Smart Transportation** Solutions empower the smart upgrading of transportation and travel.



Multi-Scenario Linkage for Travel

Travel + Community + Property · Travel + Tourism
·Travel + Office · Travel + Shopping Mall ·Travel + Campus

Smart Dispatching and Traffic Information Exchange

Provide analysis and decision-making tools such as route planning suggestions, vehicle traffic suggestions, and personnel traffic suggestions according to the traffic situation, personal density, and passenger flow in the region. Provide customers with multi-channel road condition information, route planning and directions, and site information broadcasting.



Rich Hardware Ecosystem and Cross-scenario Interoperability

Tuya Smart has a comprehensive hardware ecosystem around transportation and travel, thus creating multi-dimensional device capabilities. In addition, Tuya's applications for smart scenarios across the entire industry enable the interconnection of transportation and travel services across industries and scenarios, paving the way for more innovation in transportation and travel industry applications and services.



Smart Transportation

Smart Scheduling | Congestion Analysis | Safe Driving | User Operation

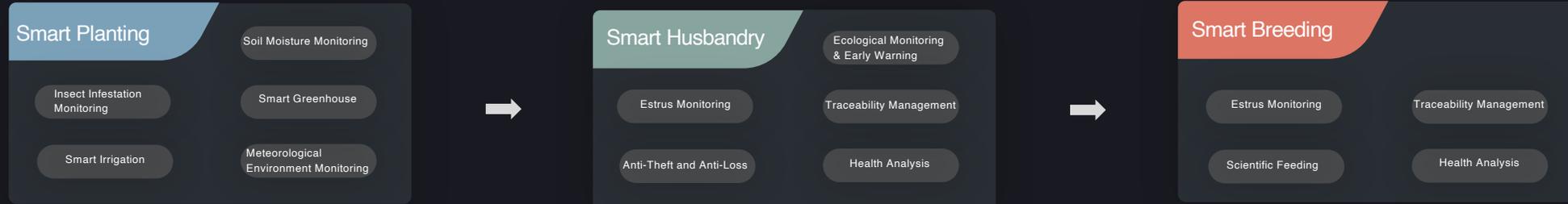


Smart Travel

Integrated Positioning | Map Service | Smart Car Linkage | Track Playback | Smart Logistics | Smart Parking | Smart Vehicle Type (bus, taxi) | Shared Travel

IoT Brings a New Form of Digital Agriculture

Tuya **Smart Agriculture** Solutions open up a new pattern of digital agriculture.



- **Cloud Automation Management for Full-Stack Smart Agriculture**

Building an agricultural background management platform to realize the intelligent full-stack service capabilities of internal management such as production process planning, park inspection, supervision management, and agricultural investment management.

- **Agricultural Digital Monitoring**

Through the Sub1G (LoRa) wireless sensor solutions, a series of digital solutions are created to monitor soil moisture, water quality, and insect infestations, etc.



Some Cooperative Customers



In the Post-Epidemic Era, Where is the IoT+ Medical Care Industry Heading?

Tuya **Smart Medical Care** Solutions build up a new healthcare scenario.



Smart Nursing

- Smart nursing bed
- Infusion monitoring
- Mobile ward round
- Patient positioning



Smart Sleep

- Strategic lighting
- Environmental control



Smart Hospital

- In-hospital cold chain
- Vaccine cold chain logistics
- Intelligent emergency vehicle
- Infectious disease prevention & control tracking



Community and Home Healthcare

- Remote monitoring
- Remote diagnosis & treatment
- Behavior correction
- Smart medicine cabinet

- **Improve Business Efficiency and Service Quality**
Realize standardized management of medical procedures, and comprehensively improve the efficiency and quality of service.

- **Create Health Diagnosis and Treatment**
Designed from the needs of the five senses of the human body, provides medical institutions with a fully intelligent immersive diagnosis & treatment solution, integrating intelligent hardware + health diagnosis & treatment + health analysis.

- **Meet Diverse Digital Needs**
Provide hospitals, medical service institutions, pharmaceutical companies, and medical service platforms with full-stack services that integrate software and hardware, such as smart nursing, smart medical care, and home medical care.



New Era of Smart Tourism in All Scenarios

Tuya **Smart Tourism** Solutions promote digitization in the tourism industry.



Some Cooperative Customers

高樓 连赢 首旅如家

Realize the Digitalization of the Tourism Space

Create a series of digital solutions for the scenic spots and accommodation spaces in the tourism industry.

Epidemic Prevention

During the epidemic, it can help to reduce crowds and limit exposure by notifying and sending monitoring data reports on the flow of people in scenic spots.

Smart Hotel

- Self-Check-In
- Intelligent Voice Control for Guests
- Energy Management
- Energy-Saving Scheduling
- Self-Check-Out Invoicing
- Self-Booking

Smart Scenic Spot Operation

- Smart Parking Management
- Smart Energy-consumption Management
- Passenger Traffic Statistics
- Smart Sanitation

Scenic Spot Safety

- Smart Warning
- Security Patrol
- Security Monitoring
- Smart Fire Control

Smart Service

- Online Shopping Mall
- Self-Service Tour Guide System
- Automated Notifications of Scenic Spots Information
- Marketing Recommendations
- Member Management

Strong Platform & Channel Capabilities



Walmart	家乐福 Carrefour	amazon	CONRAD
China unicom 中国联通 创新·改变世界	Kingfisher	LEROY MERLIN	LIDL
BEST BUY	SODIMAC		
vanke 万科	MCSAM Hotel Group LLC	HANECO IDEAS THAT SHINE	flex automation
中国电信 CHINA TELECOM	China unicom 中国联通 创新·改变世界	SoftBank C&S	
Schneider Electric	EEPC Efficient Energy Power Company	AtlanticEnergy	Simx



7 Billion Global Consumers

Tuya Smart Global Strategic Committee



Jerry Wang

Founder & CEO



Jeff Immelt

Former Chairman
and CEO of GE Group



Scott Sandell

NEA Global Management Partner



Carmen Chang

Chairman
and Head of NEA Asia



Jerome Chevalier

Quadrille Capital Co-founder
and Partner



Leo Chen

Co-Chairman and President

Six Global Headquarters Operating Locally



California
North America HQ-Tuya Global Inc.



Dusseldorf
Europe HQ-Tuya GmbH



Tokyo
East Asia, North Asia and the Pan Pacific HQ Tuya Japan Co., Ltd



Medellín
South America HQ
Tuyasmart (Colombia) S.A.S



Gurgaon
Southern-East & South Asia HQ
Tuya Smart (India)Private Limited



Hangzhou
China HQ-Hangzhou Tuya Information Technology Co.,Ltd

The Nebula Project

More than 410 brands in 40 countries are Powered by Tuya becoming top IoT brands in their local markets



DNA Project

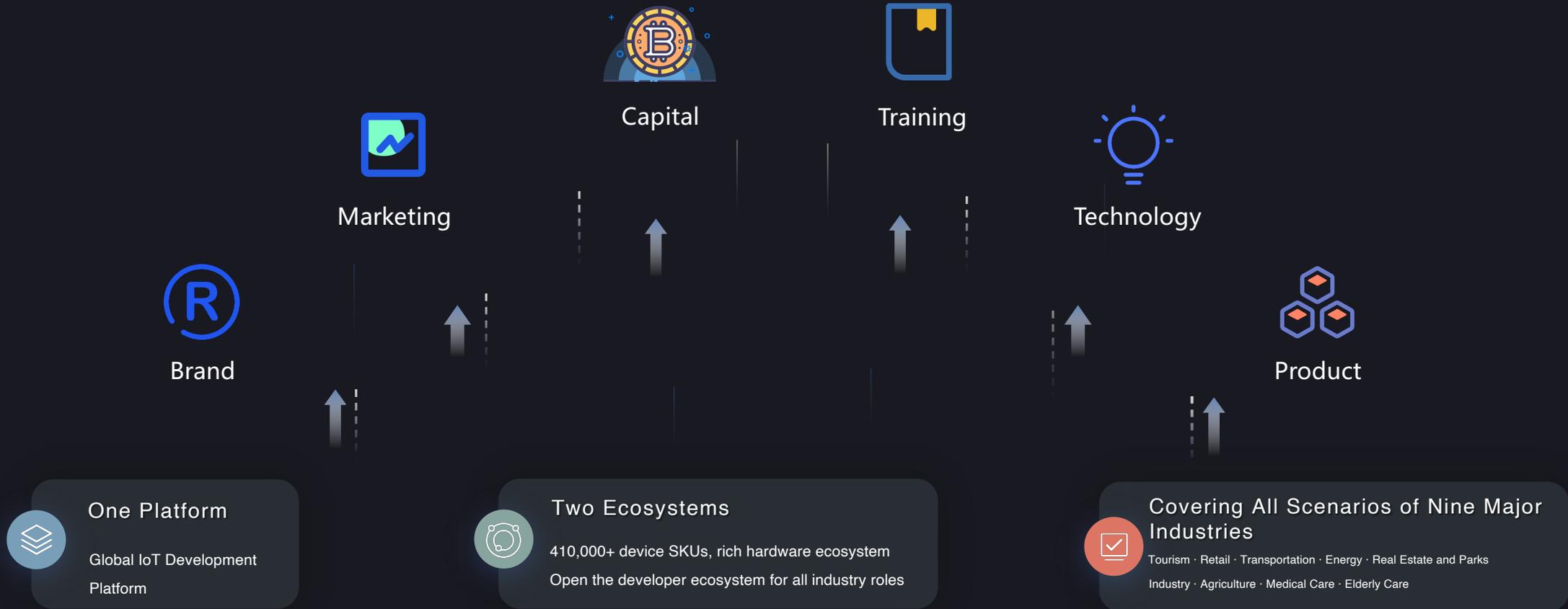
Through partnerships, we've helped more than 90 well-known brands, including Lenovo, Haier UHome, Westinghouse, Dialog, etc. to boost their IoT industry influence and promote their smart products globally



Lenovo
Haier
OKURA
China unicom 中国联通
net-core 磊科
Westinghouse
Dialog
iHORN
SKYWORTH 创维空调
冠林 AURINE
KONKA 康佳
VELUX
FSL

Project Klein

Provide **complete link** support for industry developers and IoT application enthusiasts.





THANKS