



Since 2007

Welcome to Minew IoT World

CONTENTS

01

Company Profile

02

Products

03

ESL Smart Retail Solution

04

OEM & ODM Service

05

Contact Us



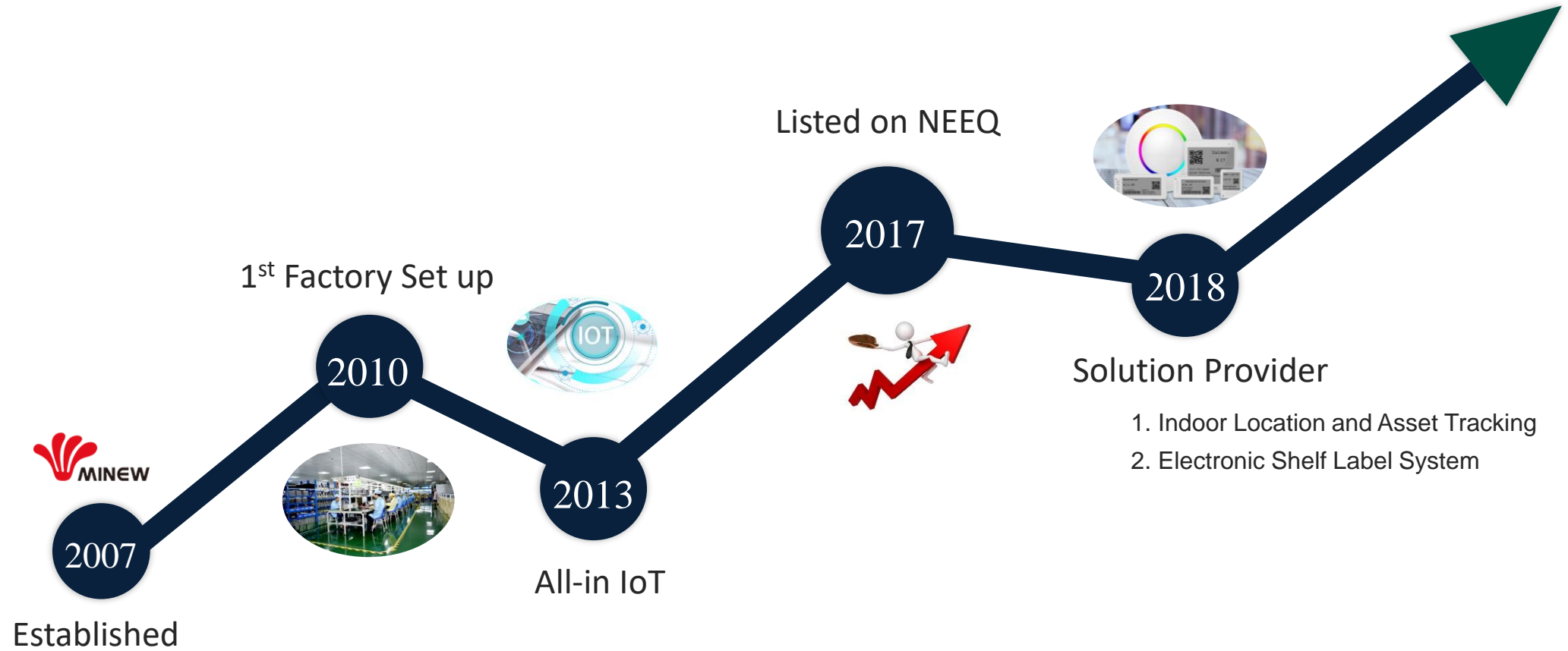
About Minew



- Founded in 2007
- Listed on NEEQ in 2017 (Stock code: 872374)
- World-leading IoT (Internet of Things) hardware manufacturer on Bluetooth & Wi-Fi over decades
- Professional ESL (Electronic Shelf Label) smart retail solution & indoor location service provider

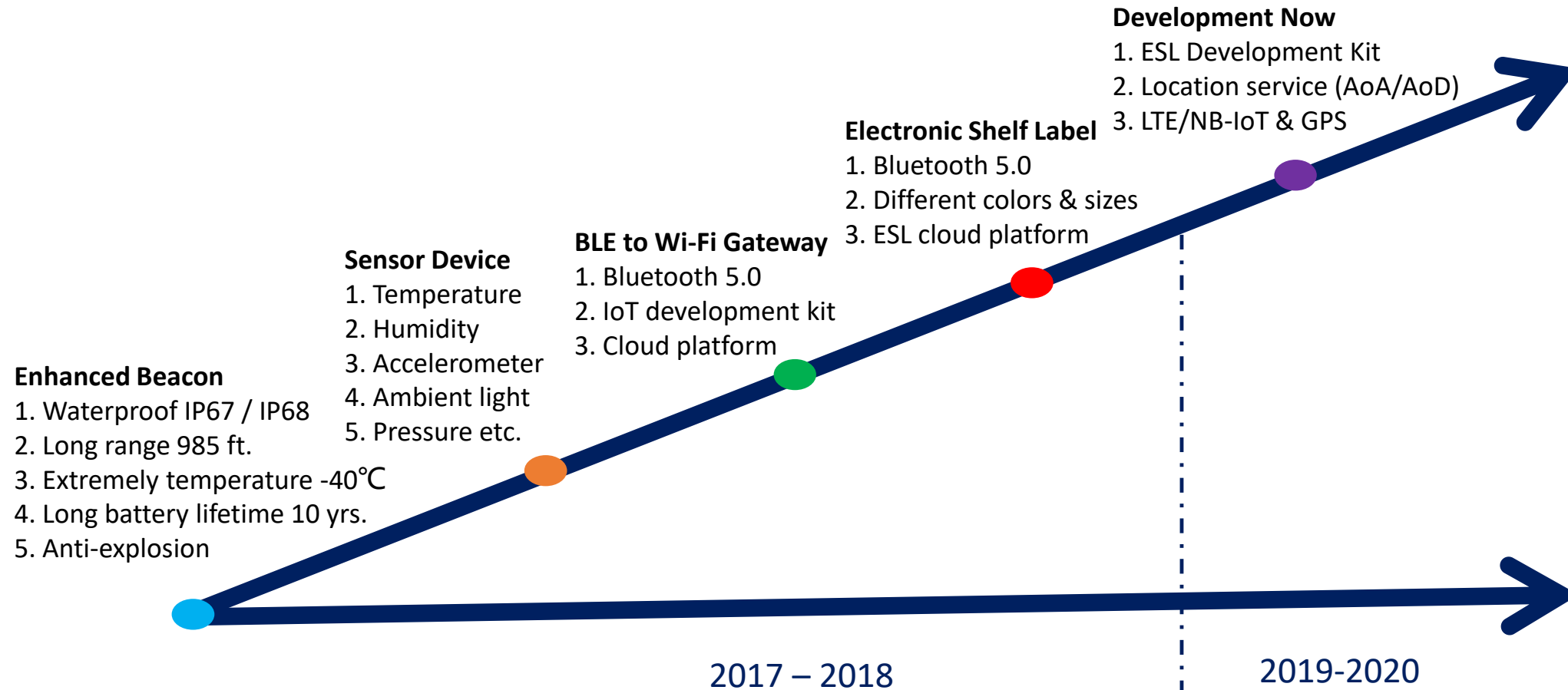


Milestone





Roadmap - Product & Technology





Minew Culture



MISSION

Interneting Every Object



VISION

Leading the World into IoT Times

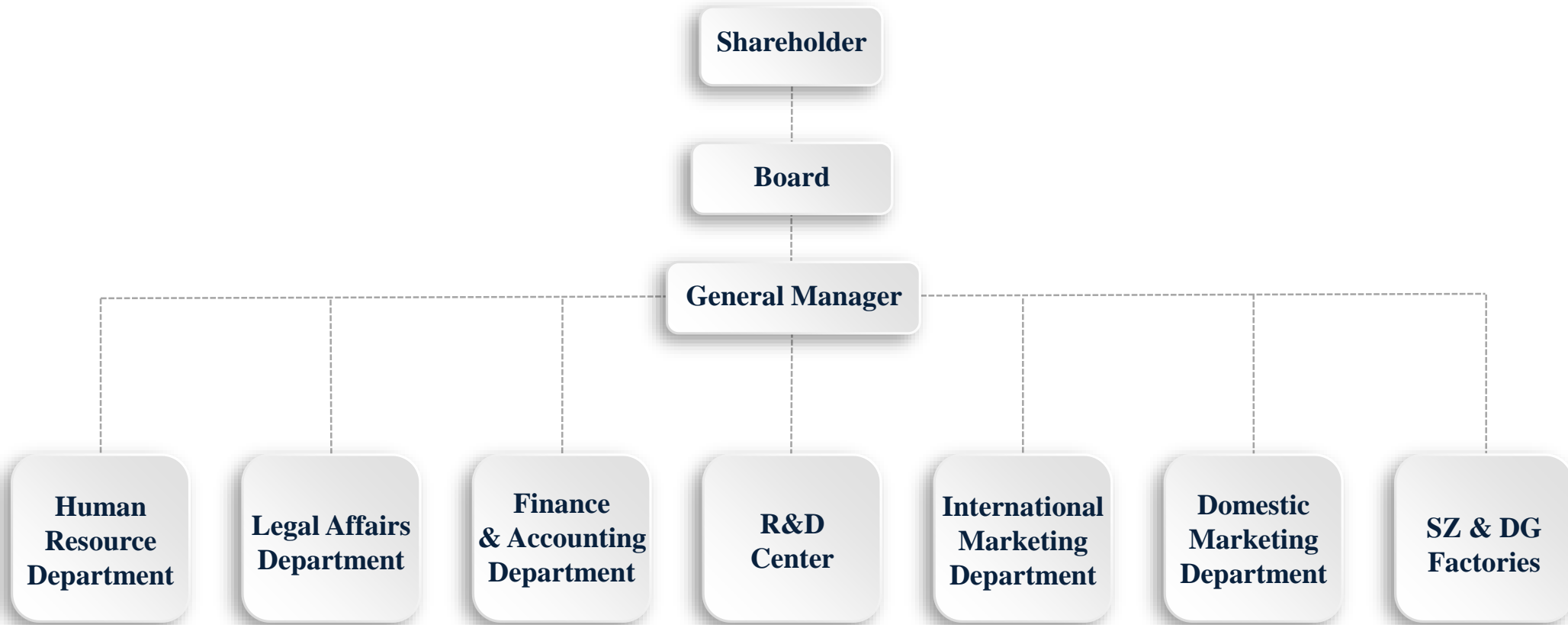


CORE VALUES

Innovation Focus Dedicate Excellence



Management Structure





About Minew

48

Patents

- Emphasizing innovation
- Respecting IP rights
- Certified by IPMS China

50+

R&D Experts

- Hardware design
- Firmware / software design
- Mechanical design (ID)
- Mobile application design
- Cloud-platform design

30,000

pcs / day

- Two factories in SZ & DG
- Support fast-prototyping
- Flexible production capacity



Quality First





Award & Honor

2015 Best Smart Hardware Award

2016 Top Seller and Preferred High Quality Supplier

2017 National Hi-Tech Enterprise Certification

2018 China IoT Technology Innovation Award
The Most Investment Value Enterprise
The Most Influential Positioning Enterprise





Partners

ABInBev



Google





Products



Product Lines



Bluetooth® Beacon

- iBeacon & Eddystone
- Bluetooth® Sensor Tag
- BLE to WiFi Gateway



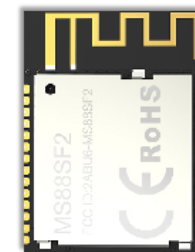
Electronical Shelf Label

- 1.54" BLE 5.0 ESL
- 2.13" BLE 5.0 ESL
- 2.9" BLE 5.0 ESL
- 4.2" BLE 5.0 ESL
- ... (Black/white/red...)



Key Finder

- T-Finder app.
- F3S/F4S/F5 Key Finders



Bluetooth® Module

- Nordic Bluetooth 5.0
- UART Protocol inside
- MESH Protocol inside

BLE: Low energy Bluetooth®

UART: Universal Asynchronous Receiver/Transmitter

MESH: A wireless mesh network (WMN) is a communications network made up of radio nodes organized in a mesh topology



iBeacon & Eddystone

MiniBeacon Plus inside

- Compatible to BLE 4.0 and BLE 5.0 technology
- Supports iBeacon & Eddystone protocol simultaneously
- More than 35 different sizes and types for option
- Ultra-power consumption chipset nRF52810/52832/52840
- Advertising ranges from 1 to 500 meters
- Maximum 10 years battery life time
- IP67 / IP68 Waterproof design and battery replaceable
- The 2nd configuration app BeaconSET+
- SDK & API available for iOS and Android
- Online development document support
- Bluetooth® QDID/EPL, CE, FCC, RoHS certifications



Bluetooth® Beacon

Bluetooth Sensor

Accelerometer: E7, E8
Ambient light sensor: E6
Temperature & humidity: S1

Stationary Beacon

Models:
i3, i7, E2, E5, E7, E9

Asset Tag

Models:
i6, i9, E6, E8, T1, T2

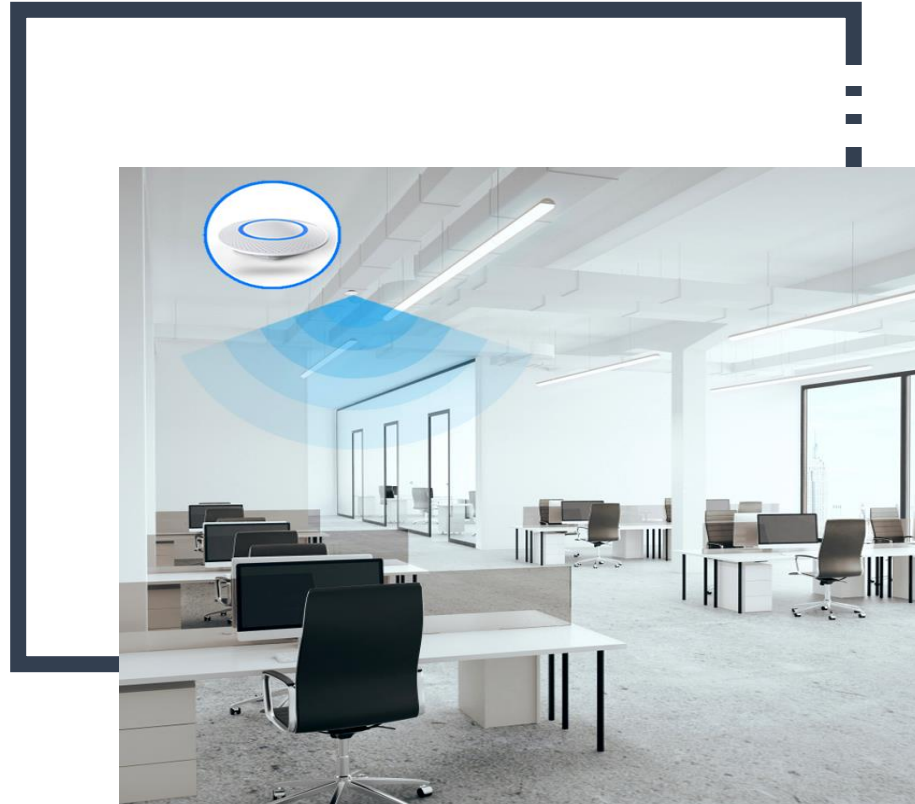
People Tag

Models:
B6, C6, C7, D15N, T3



USB Beacon

Models:
C3,
U1 (UART protocol inside)



Gateway G1

MINEW DESIGN

G1 is a Low Energy Bluetooth® 5.0 (BLE) to Wi-Fi connectivity gateway with PoE. The G1 gateway collects the data from iBeacon, Eddystone, BLE sensor and other BLE devices. Then it sends the data to the local server or remote cloud server by HTTP/ MQTT protocol over Wi-Fi or Ethernet.

It has passed Bluetooth® EPL, CE, FCC, RoHS and Reach certifications.



Applications

01

Asset Tracking

02

Event & Exhibition

03

Indoor Location



06

Retail Promotion

05

Health Security

04

Transportation



T-Finder

MINEW DESIGN

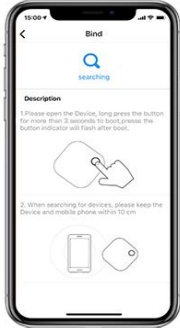
The key finder is a smart and tiny tracking device applied with low energy Bluetooth® 5.0 technology.

The T-Finder is an application which can monitor and communicate with key finder by low energy Bluetooth® technology.

The T-Finder and key finder works together to help users to prevent losing their items.



T-Finder (How it works)



ATTACH F5 to anything you don't want to lose and connect it to the T-Finder app.

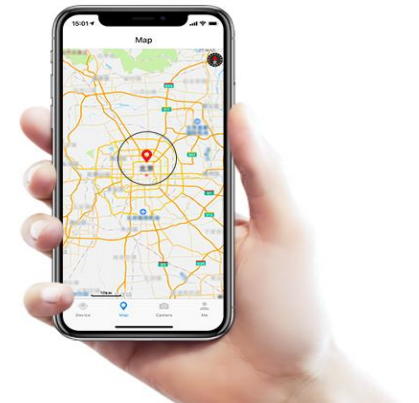


SELFIE by pressing F5's button to remote control your phone camera of the app.

RING F5 from the app or press its button to ring your phone. Even if it's on silent.



FIND your missing items. When your items leave you more than 15 meters away, the F5 and app will send alarm and the app remembers when and where you last had them.





Application Scenarios



F4S

Low Energy Bluetooth® 5.0 Technology
iOS/Android Application T-Finder
85 dBm
30 meters
12 months battery life time
White



F3S

Low Energy Bluetooth® 5.0 Technology
iOS/Android Application T-Finder
100 dBm
30 meters
12 months battery life time
White/Green/Violet/Blue



Low Energy Bluetooth® Module



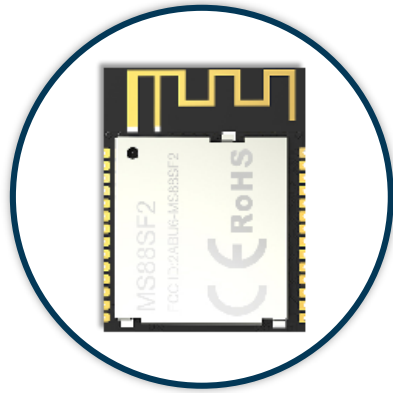
BLE Module

MINEW DESIGN

- Bluetooth® QDID / EPL certified
- Nordic nRF52 series chipset
- 15 different modules for option
- Smallest size with metal shield
- Long range max. 250 meters
- Supports PCB, Ceramic and IPEX antenna
- Pre-programmed UART / MESH protocol if required
- Firmware pre-programming service
- CE, FCC, IC, RCM, TELEC, WPC, SRRC certification
- RoHS & REACH certification



Bluetooth® 5.0 Module



MS88SF2 (MESH)

Nordic nRF52840

23.2 x 17.4 x 2mm

GPIO 20

Certified by BQB, FCC, CE, TELEC, WPC, IC,
RCM, RoHS, Reach

Application: Electronic devices, Heart rate monitor,
Toys controllers...



MS50SFA1

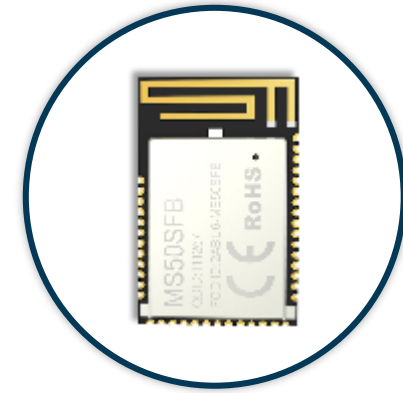
Nordic nRF52832/52810

16 x 12 x 2 mm

GPIO 13

Certified by FCC, CE

Application: Accessories, Remote
controllers, Medical devices...



MS50SFB1

Nordic nRF52832/52810

20 x 12 x 2 mm

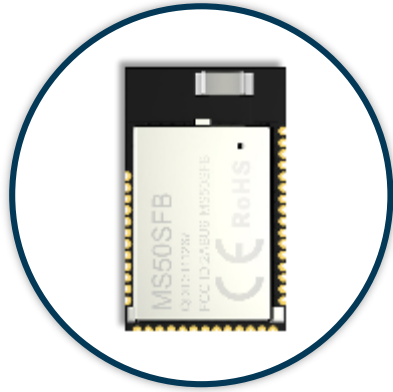
GPIO 32

Certified by BQB, FCC, CE, TELEC,
WPC, IC, RCM, RoHS, Reach

Application: Medical devices, Sport
facility, Mobile accessories...



Bluetooth® 5.0 Module



MS50SFB2

Nordic nRF52832/52810

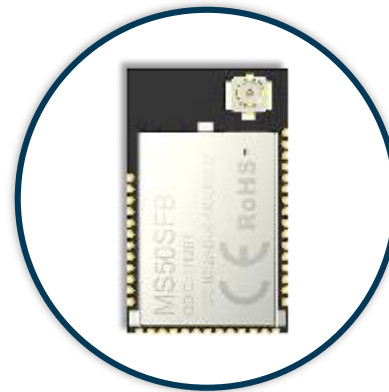
20 x 12 x 2 mm

GPIO 32

Certified by BQB, FCC, CE, TELEC,

WPC, IC, RCM, RoHS, Reach

Application: Weighing machine,
Electronic devices, Thermometer...



MS50SFB3

Nordic nRF52832/52810

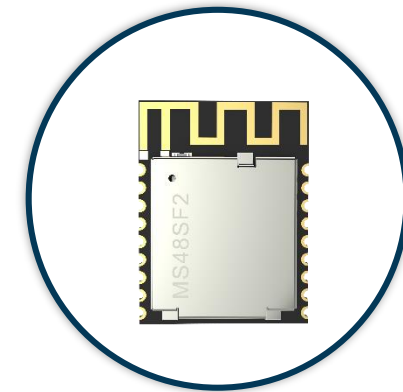
20 x 12 x 2 mm

GPIO 32

Certified by BQB, FCC, CE, TELEC,

WPC, IC, RCM, RoHS, Reach

Application: Sports and fitness sensors,
Remote controllers, Cycle computer...



MS48SF2 (UART)

Minew M1805 (BLE 4.0)

15.8 x 12 x 2 mm

GPIO 12

Certification Processing

Application: Consumer electronic products,
LOW COST devices...



Electronic Shelf Label



MTag Series

MINEW DESIGN

MTag Series applied with the latest Bluetooth® 5.0 technology and the high-quality dot matrix E-ink display, they are suitable for all types of retail industries.



MTag Series



4.2"

104 x 94 x 11.8 mm

120 DPI

400 x 300 pixels

0 ° C to 50 ° C

5 years



2.90"

91 x 41 x 14.2 mm

112 DPI

296 x 128 pixels

0 ° C to 50 ° C

5 years



2.13"

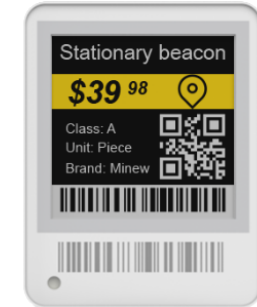
70 x 35 x 14.2 mm

130 DPI

250 x 122 pixels

- 20 ° C to 50 ° C

5 years



1.54"

36 x 44 x 14.2 mm

142 DPI

152 x 152 pixels

0 ° C to 50 ° C

5 years



*Pixel colors above are available on each model



ESL Smart Retail Solution



ESL Smart Retail Solution



Minew Smart Retail Solution is based on MTag ESL System and Indoor Positioning System, combining with sensors and Cloud Platform by utilizing Bluetooth® 5.0 technology.



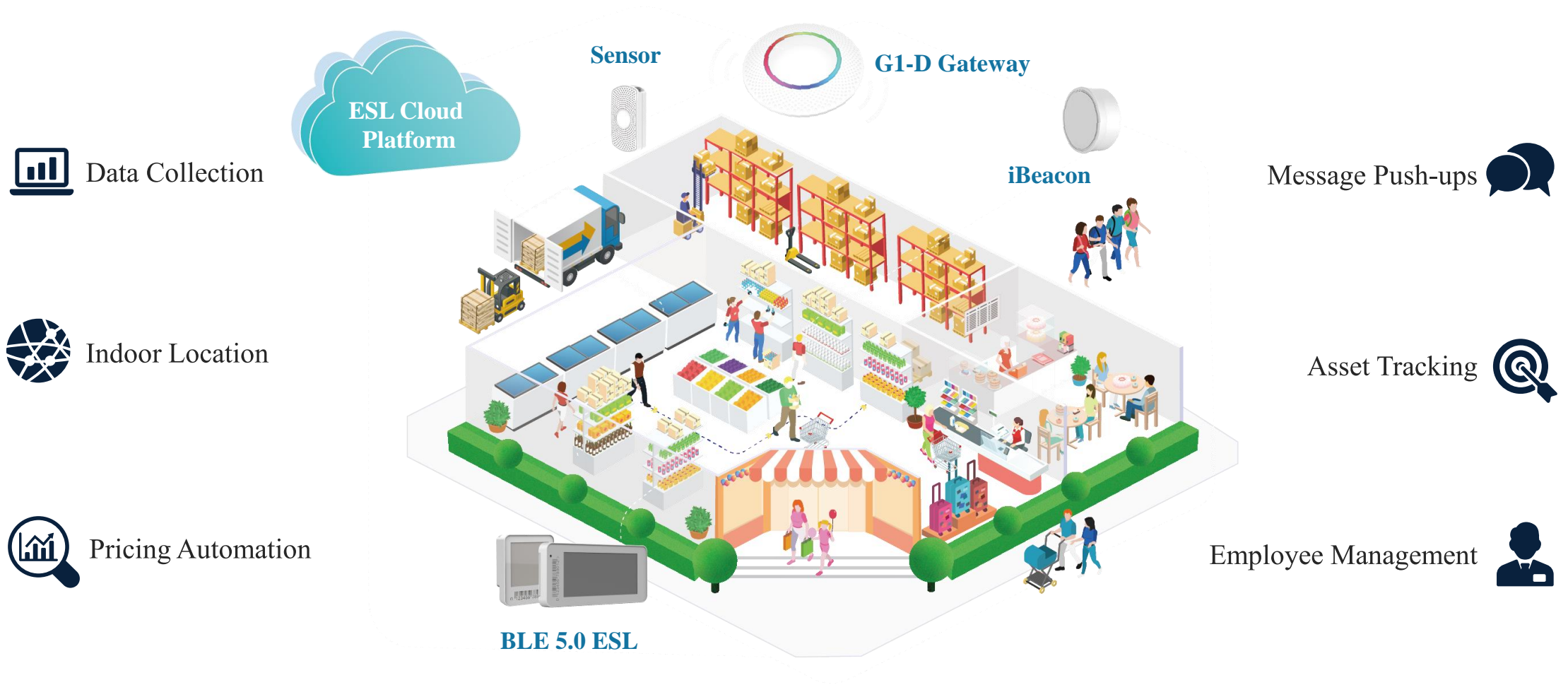
The solution meets not only the basic needs of Pricing Automation but also has functions of Store Management, Product Positioning, Message Push-ups, Personnel Positioning, Data Collection etc.



With the help of the Smart Retail Solution, retailers can build their omni-channel retailing faster.



ESL Smart Retail Solution





Application Scenarios



01

02



04

03





OEM/ODM Service



OEM/ODM Service

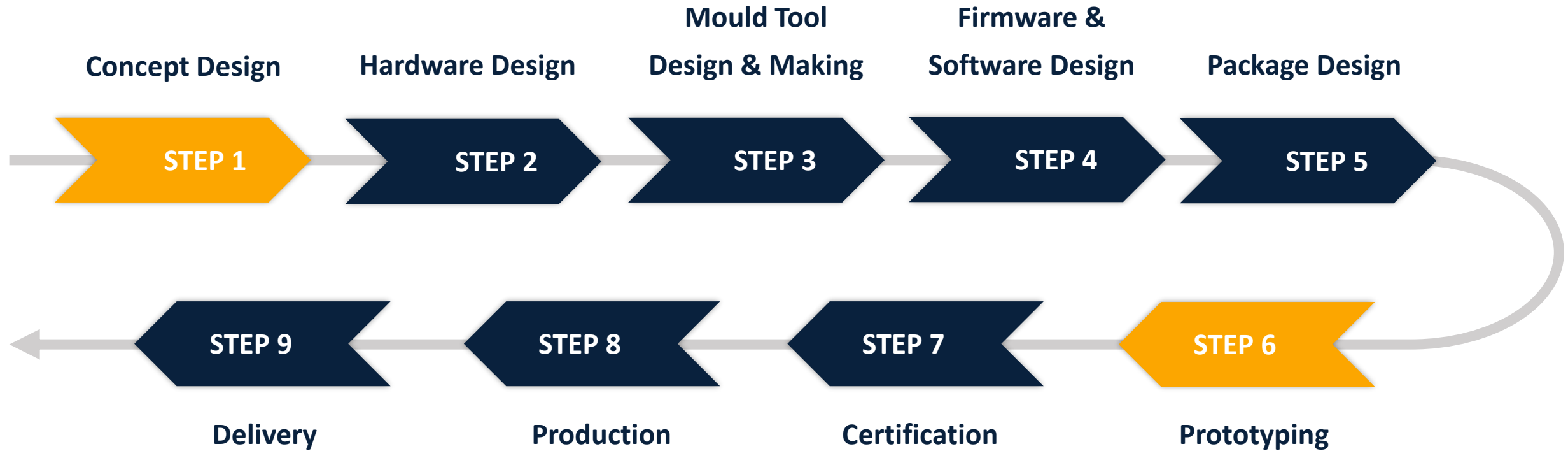


Minew is a professional turnkey manufacturer with the ability to bring your concepts and ideas into reliable solution.

We work with many startups and top-class corporations at all stages of design and manufacture. Our factory equips with quick-response and flexible manufacturing system to support all different demands.



One-stop Solution





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