



SemeaTech



Strong Performer in Gas & Radiation Detection

www.semeatech.com



**Founded
in Jiading, Shanghai,
in April 2015.**

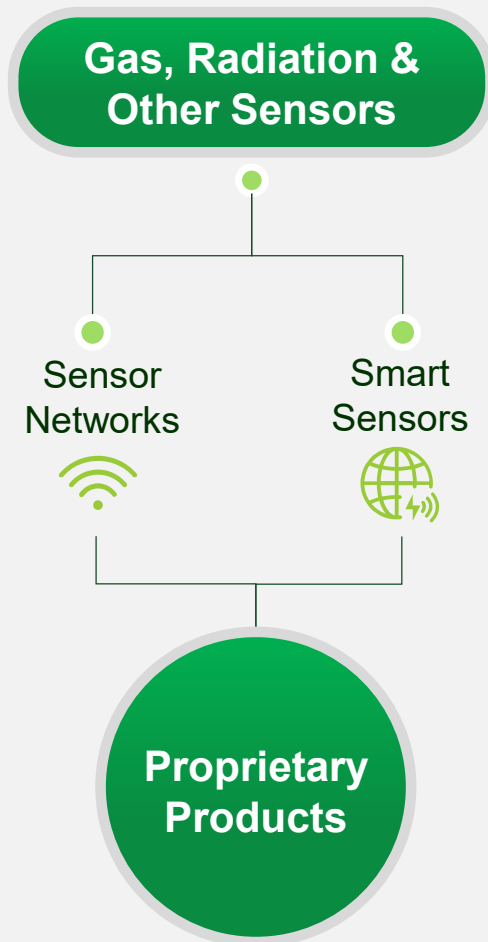
Our working environment



Located in Jiading Industrial Park



Focus and Mission



Industrial Safety

Fire Protection

Emergency Response

Environmental Protection

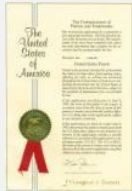
Smart City
Smart Home

Healthcare

Modern Farms

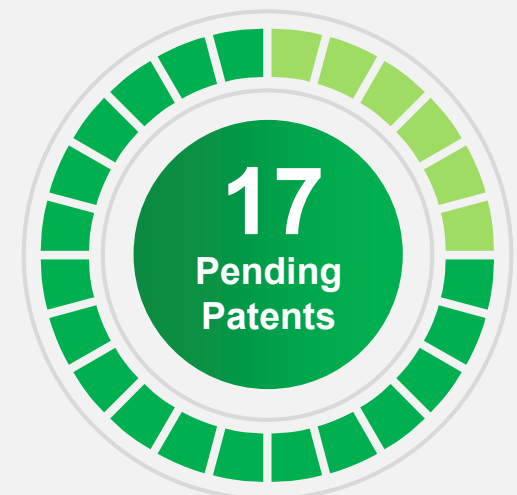
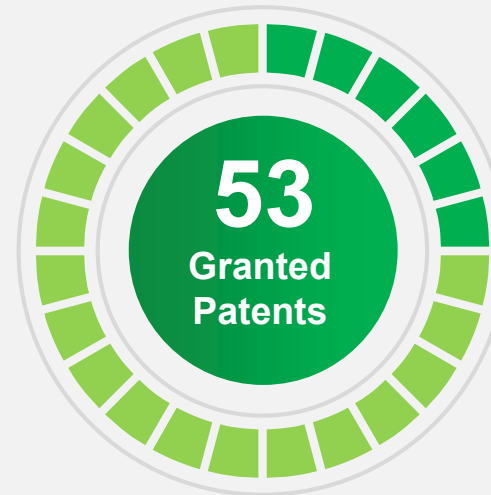


Technologies and Patents

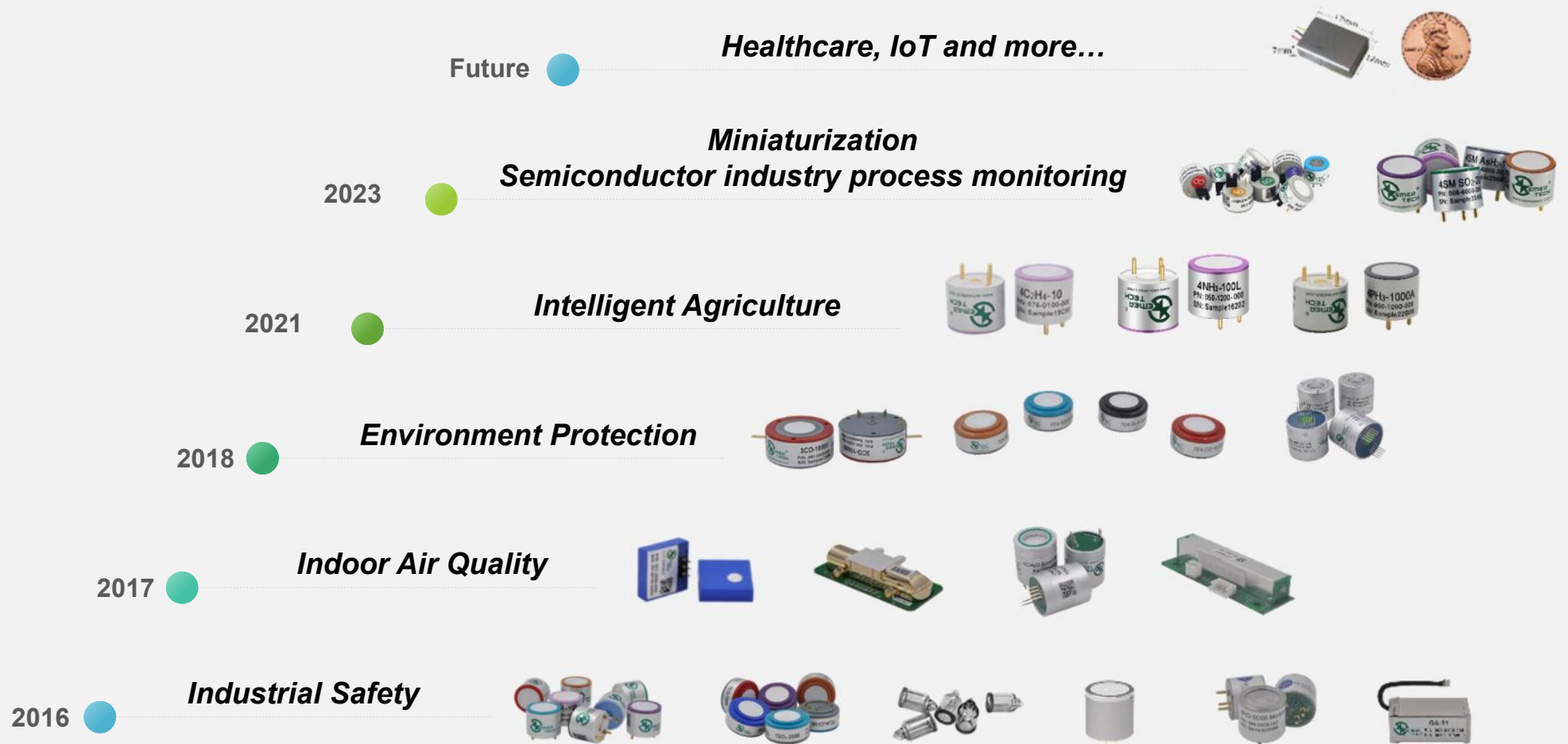


SemeaTech has passed **ISO 9001:2015** quality management system certification, and has a number of technical patents.

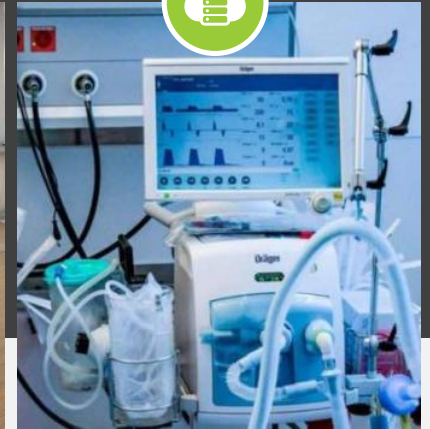
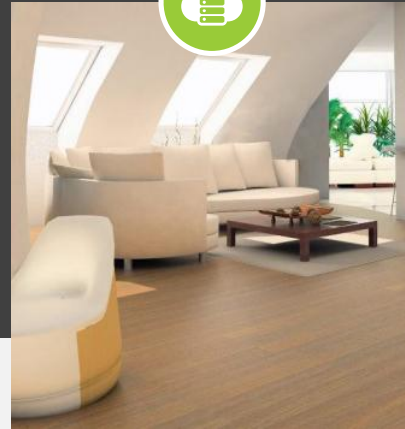
- Industrial grade electrochemical gas sensors for toxic gas monitoring
- High resolution gas sensors in ppb ranges for air quality monitoring (AQM)
- Photo-ionization detector (PID) for volatile organic compounds (VOCs) measuring
- CsI+PIN diode for gamma and X-ray detection
- NDIR for carbon dioxide, refrigerant detection and others
- Catalytic bead gas sensors for explosive fume detection
- Sensitive components and materials for MEMS collaboration



Market and Product Road Map



Application



**Safety
Protection**

Smart City

**Environmental
Protection**

**Indoor Air
Quality**

Healthcare

Application (1) — Safety Protection



■ Industrial safety

E.g. CH₄, CO, H₂S, SO₂, NO_x, HF
in refineries, chemical plants, oil and gas
drilling, underground mining, etc



■ Fire Protection

Early warning of fire and its derivative
hazards

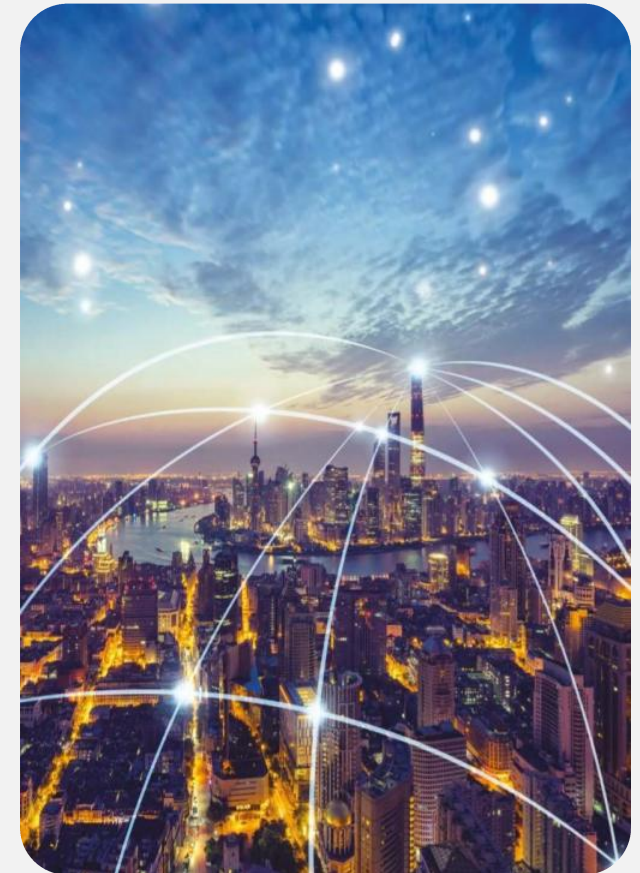


■ Emergency Response

Sensors with high resolution and stability

Application (2) — Smart City

Widely used in utility tunnel, modern farms, logistics transportation and so on. Type: 4O2-LF, 4NH3-100L, 4C2H4-10, etc.



Application (3) — Environmental Protection



Atmospheric Problem

CO, H₂S, SO₂, NO_x, VOCs, O₃
from industrial production and emissions, coal
combustion, transportation emissions, etc



Atmospheric Grid Monitoring System

Type: 4-electrode sensors for AQM, PID Sensor

A wide banner image showing a modern living room interior with a sofa, coffee table, and plants. A green bar at the bottom contains the text "Application (4) — Indoor Air Quality".

Application (4) — Indoor Air Quality

A photograph of a room under renovation with a ladder and a window. A green bar at the bottom contains the text "Decorative Air Pollution".

Decorative Air Pollution

Typically CH_2O from building materials

A photograph of a kitchen with floating icons representing odors. A green bar at the bottom contains the text "Odor".

Odor

NH_3 , H_2S , CH_3SH

A photograph of an air purifier in a room. A green bar at the bottom contains the text "Carbon Dioxide".

Carbon Dioxide

NDIR Sensors for monitoring and environmental protection

A photograph of blue disinfectant sprayers emitting white mist. A green bar at the bottom contains the text "Disinfection Gas".

Disinfection Gas

Cl_2 , O_3 from disinfectant

Application (5) — Healthcare



Medical Apparatus and Instruments

E.g. CO₂, O₂ Sensor with high precision



Smart Medical Care

E.g. Wearable medical sensors, intelligence and AI medical products



Radiation Detection

X-rays, gamma rays
Cautions for children and pregnant women



Why SemeaTech



Unique Technology

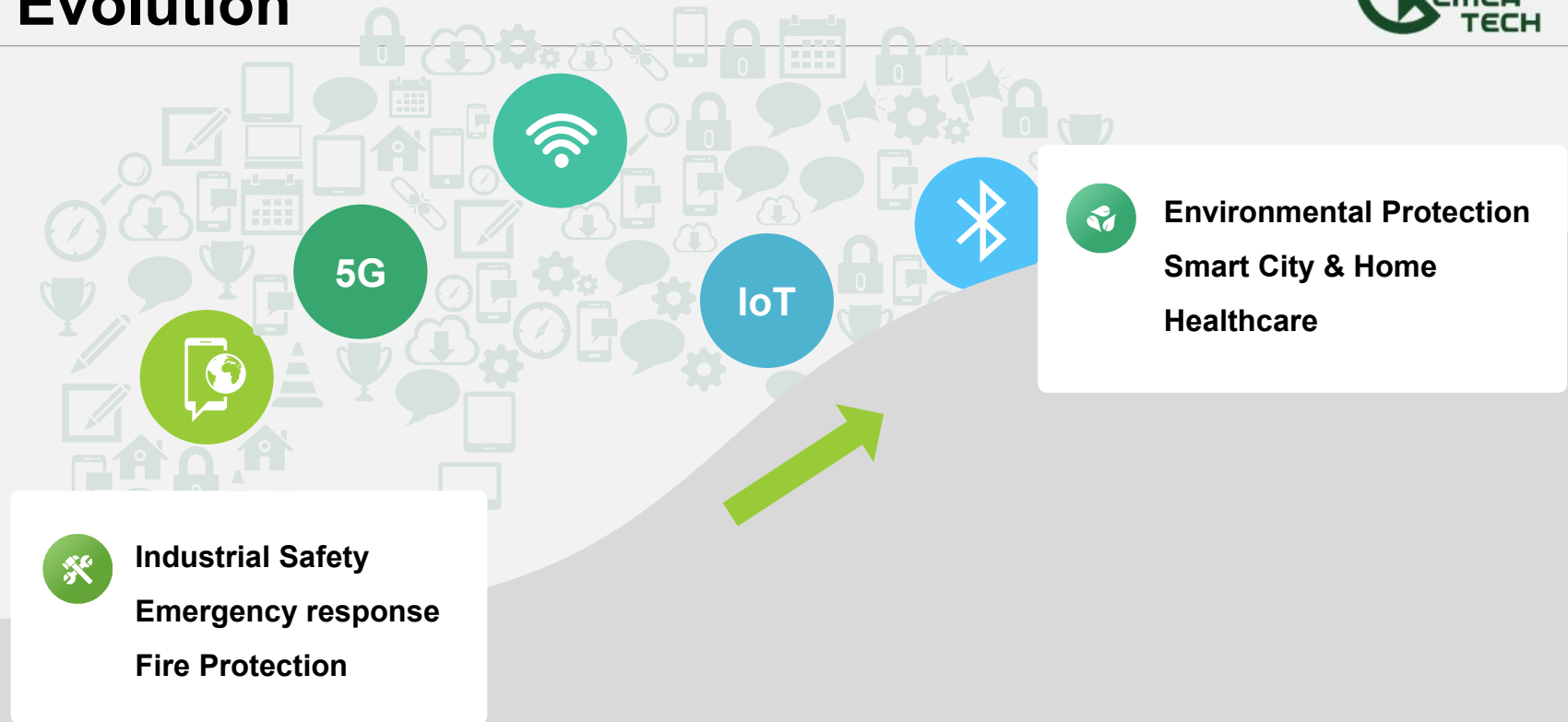
High Performance & Low Cost

Fast and Efficient Service

Flexible Product Selection

TRUST

Strategic Evolution



Smart Sensors

System Modules

Advanced Tech

Traditional Sensors

Honor



- Excellent Enterprise Award in the 8th China Innovation and Entrepreneurship Competition in 2019
- Top 10 members of China Sensor and Internet of Things Industry Alliance in 2018 and 2019
- Certified as a National High-Tech Enterprise in 2021.
- Recognized as a Shanghai Science and Technology Small Giant Cultivation Enterprise in 2022.
- Certified as a Shanghai Specialized, Sophisticated, Distinctive, and Innovative (SSDI) Enterprise in 2023.