



HENSUNG

EMPOWERING ENVIRONMENTS THROUGH INTELLIGENT ROBOTICS



+971 50 262 3288



www.hensungrobotics.ae

ABOUT US

Global Roots, Local Expertise

Headquartered in Hong Kong with a strategic foothold Dubai,UAE. Hensung is a premier international robotics system integrator. We meticulously curate and filter top-tier Chinese robotics brands to bring world-class automation to the Middle East.

Supported by our on-site R&D team, we offer bespoke hardware and software tailoring to seamlessly fit your specific facility workflows. We provide a comprehensive ecosystem of advanced robotic solutions tailored for modern facilities.

Why Hensung?

01

Local Research and Development Excellence: Our professional, on-the-ground team specializes in custom tailoring solutions to regional needs.

02

24/7 On-Site Support: Round-the-clock technical assistance ensuring zero operational downtime.

03

Tailored Adaptation: Smart products engineered specifically to thrive in the UAE's distinct environment, climate, and commercial landscape.





Tailored Innovation, Unmatched Efficiency

Our Value Proposition

We are driven by a vision to elevate living and working environments through cutting-edge robotics redefining the standards of commercial cleanliness and industrial safety.

Intelligence in Motion Excellence in Environment

Maintaining pristine facilities shouldn't drain your manual resources. Our autonomous cleaning solutions deliver consistent, medical-grade sanitization across large-scale commercial spaces, malls, and corporate offices.

Next-Generation Commercial Cleaning

Protect your most valuable asset your people. Our advanced safety robots handle hazardous inspections, patrol high-risk environments, and identify potential threats before they escalate.

Uncompromising Industrial Safety

Intelligent security and patrol

Interactive Reception Robots

Hospitality & Entertainment



OUR PRODUCT PORTFOLIO



C5 COMMERCIAL FLOOR CLEANING ROBOT

Product Overview

Engineered for high-traffic, large-scale commercial environments (such as airports, mega malls, and corporate HQs), the C5 delivers high-capacity autonomous floor care. By integrating cutting-edge robotics with multi-surface adaptability, it significantly elevates cleaning standards while optimizing operational overhead. It serves as a cornerstone technology for modern, smart asset management and premium facility operations.



Core Technologies



Unified 3-in-1 Maintenance Platform

Seamlessly consolidates sweeping, scrubbing, and dry mopping workflows into a single, high-efficiency operation.



Hybrid Multi-Sensor Navigation

Integrates advanced LiDAR with intelligent visual perception, enabling the system to effortlessly map and adapt to complex, dynamic architectural layouts.



Zero-Touch Automated Docking Station

Features fully autonomous battery replenishment, clean water refilling, wastewater drainage, and internal tank self-cleaning to minimize manual maintenance interventions.

Multi-Scenario Application

- Premium Hotels & Luxury Hospitality
- Corporate Office Towers & HQ Buildings



- Retail Malls & Shopping Centers
- Transit Hubs & Airport Terminals
- Convention & Exhibition Centers
- Large-Scale Smart Property Management Ecosystems

SW55 COMMERCIAL FLOOR CLEANING ROBOT



Product Overview

Built with ultra-high agility for mid-scale commercial environments, the SW55 merges a versatile 4-in-1 multi-surface workflow with advanced facility infrastructure connectivity. It minimizes manual intervention in dynamic, high-traffic corridors, serving as an ideal asset for modern, smart property management ecosystems.

Core Technologies



Unified 4-in-1 Workflow

Innovatively consolidates sweeping, scrubbing, vacuuming, and dust-mopping into a single, high-efficiency waterless process.



Extended Service Intervals

Equipped with an ultra-high-capacity 4L waste bin and a 7.5L dust collection bag, reducing required routine maintenance to just once per week.

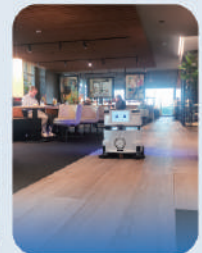


Industry-Leading Duty Cycle

High-capacity battery configuration delivers an ultra-long runtime of up to 16.5 hours of continuous operation on a single charge.

Multi-Scenario Application

- Premium Hotels & Luxury Hospitality
- Corporate Office Towers & Multi-Tenant Facilities
- Retail Shopping Malls & High-End Boutiques
- Conference & Convention Centers
- Corporate Headquarters & Showrooms
- High-End Residential Communities & Condominiums



J20 COMMERCIAL FLOOR CLEANING ROBOT

Product Overview

Engineered specifically for tight, high-density indoor commercial spaces (such as boutique hotels, narrow office corridors, and luxury suites), the J20 delivers agile navigation through 400 mm aisles and under furniture. By integrating sweeping, vacuuming, and water-recycled mopping into an ultra-compact platform, it elevates floor care standards while optimizing space-conscious facilities.



Core Technologies



Unified 3-in-1 Cleaning System

Seamlessly consolidates sweeping, vacuuming, and recycled-water mopping into a single, high-efficiency, ultra-compact platform.



Compact & Agile Design

Engineered specifically to operate effortlessly in narrow corridors, under furniture, and through tight 400 mm aisles.



Zero-Friction Scan-to-Start

Features an intuitive QR-code workflow supporting instant room-based activation and seamless multi-floor elevator integration.

Multi-Scenario Application

- Hotel Guest Rooms & Corridors
- Retail Stores & Boutique Outlets
- Business Lobbies & Reception Areas
- Corporate Workspaces & Office Suites
- High-Density Arcades & Entertainment Venues
- Compact Commercial Property Management Ecosystems



K3 COMMERCIAL FAÇADE CLEANING ROBOT

Product Overview

A specialized high-altitude robotic solution built to eliminate the severe safety hazards, high insurance liabilities, and intense labor costs associated with traditional manual rope-access or cradle crews. The K3 features 8-point vacuum adsorption rated for Level 12 gale-force winds and a fail-safe mechanical self-locking system, delivering a faster, smarter, and highly cost-effective cleaning operation for modern commercial high-rise assets.



Core Technologies



8-Point Vacuum Adsorption

Utilizes eight heavy-duty adsorption devices to secure an unyielding grip on high-rise facades, fully rated to safely withstand Level 12 gale-force winds.



Self-Regulating Propulsion

Features an intelligent self-adsorption power propelling system with automatic atmospheric pressure compensation, instantly triggering emergency boost suction if a pressure drop occurs.



Fail-Safe Self-Locking

Equipped with a professional mechanical self-locking control system that guarantees the unit remains securely anchored to the safety rope even during a total building power failure.

Multi-Scenario Application

- Supertall Skyscrapers & Commercial Towers
- Premium Hotels & Luxury Resorts
- Sprawling Retail Shopping Malls
- Transit Hubs & International Airports
- Corporate & Mixed-Use Plazas



CHALLENGES & OUR SOLUTIONS

Challenge 1 The Climate Challenge

The Reality

The Middle East's extreme heat, dust storms, and unique indoor-outdoor thermal transitions cause standard robotics to overheat or sensor drift.

Our Solution

Ruggedized hardware. We deploy custom-modified robots featuring advanced cooling systems, enhanced dust/water sealing (IP ratings), and climate-resilient sensor arrays optimized for regional environments.

Challenge 2 The Service Gap

The Reality

Overseas manufacturers often lack local support, leaving businesses stranded when operational glitches or hardware failures occur.

Our Solution

24/7 on-site localized technical support. Hensung bridges the gap with a dedicated local spare-parts warehouse and an expert engineering squad ready to deploy instantly.

DATA SECURITY & PRIVACY COMPLIANCE

Enterprise-Grade Security

We recognize that data privacy is paramount for UAE enterprises and government entities. Our integration architecture is built on two core pillars:

On-Premise / Local Cloud Deployment

Your operational data never leaves your facility or your trusted local cloud infrastructure, fully complying with regional data residency laws.



End-to-End Encryption

Every command, video stream, and map data packet is encrypted from the robot to the control room, neutralizing external cyber threats.



WHY CHOOSE A SYSTEM INTEGRATOR?

Streamlining Your Automation Journey

Buying directly from multiple hardware manufacturers creates operational silos. As your system integrator, Hensung orchestrates the entire ecosystem:

Single Point of Contact

Single-point accountability. We handle hardware, software, customization, deployment, and ongoing maintenance.



Multi-Brand Orchestration

We mix and match the absolute best hardware for the job (e.g., industry-leading scrubbing hardware paired with high-payload automated guided vehicles) and unify them under a single, seamless software dashboard.

PROVEN TRACK RECORD

Global Footprint Proven Success

Our core engineering expertise is backed by a legacy of successful deployments across demanding international markets:

01

High-compliance logistics and public space automations adhering to strict safety standards.



02

Scaled industrial deployments optimizing heavy manufacturing environments.



FULL-LIFECYCLE SERVICE FLOW

Backed by Industry Leaders

Consulting & Site Assessment

We study your environment, floor layouts, and operational bottlenecks.

Bespoke Secondary Development

Our R&D team customizes software APIs and hardware payloads.

Deployment & Integration

Seamless on-site rollout without disrupting your ongoing business.

Staff Training

Empowering your local teams to comfortably manage and monitor the robotic fleet.

24/7 Maintenance & Upgrades

Continuous, round-the-clock optimization, parts replacement, and software enhancements.



EMPOWER YOUR SPACES THROUGH INTELLIGENT ROBOTICS

Book a Live Demo or Site Survey to Start Your Automation Journey.

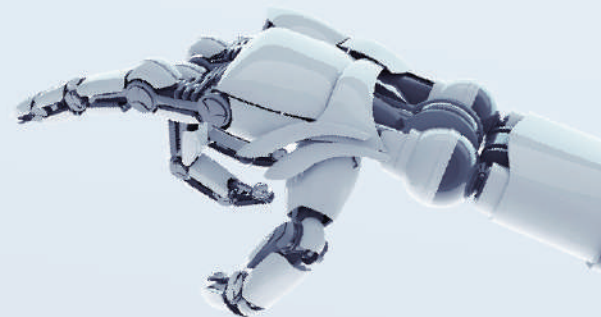
Sales Hotline: +971 50 262 3288

Technical Support: +971 54 300 3426

Email Address: dubai@hensung.com

Dubai Office: No. 24, 27C St, Ras Al Khor Industrial Area 2, Dubai, UAE

Hong Kong HQ: Flat 917B, Block A, 9/F, New Mandarin Plaza, No. 14 Science Museum Road, Tsim Sha Tsui East, Hong Kong





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