



dgw.ai

DGW.ai

Robotics, Automation & Industrial AI Infrastructure

INTELLIGENT SYSTEMS. AUTONOMOUS OPERATIONS. REAL IMPACT.

DGW.ai delivers AI-powered robotics and automation solutions that digitize operations, optimize performance, and build the intelligent infrastructure of the future.



INTELLIGENCE

AI-powered operational intelligence platform



AUTOMATION

Advanced robotics and autonomous systems



PRECISION

Real-time data, accuracy and operational control



IMPACT

Measurable results, scalable across industries

BUILDING THE INTELLIGENT INFRASTRUCTURE FOR A BETTER TOMORROW

EXECUTIVE CORPORATE PROFILE

Enterprise & Sovereign Edition



EXECUTIVE SUMMARY

Who DGW.ai Is

Robotics, Automation & Industrial AI Infrastructure

DGW.ai is an Industrial AI, Robotics, and Autonomous Systems company transforming real-world operations across industries through intelligent automation, autonomous systems, and operational intelligence.

We bridge the gap between artificial intelligence and physical operations by integrating AI software, robotics, autonomous vehicles, teleoperations, and industrial automation into one unified ecosystem.



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Digitizing the World with AI & Robotics

DGW.ai delivers end-to-end solutions that reduce costs, increase productivity, enhance safety, and build the intelligent infrastructure for the future.

WHAT WE DELIVER



Intelligent Automation

AI-driven robotics and automation systems for real-world impact.



Operational Intelligence

Real-time analytics, digital twins and AI optimization engines.



Autonomous Operations

Autonomous vehicles, remote operations and smart fleet management.



Measurable Results

Lower costs, higher efficiency, improved safety and scalability.



Global Reach

Solutions designed for global industries and sovereign environments.

OUR PRODUCT PORTFOLIO



DGMove

Autonomous Industrial Mobility



DGTele

Remote & Teleoperation Solutions



DGStore

Modular Autonomous Warehouses



DGSort

Robotic Sorting & Palletizing



DGCNC

Robotic Fabrication Systems



DGCafe

Hospitality Automation



DGPlay

Robotics Entertainment & Engagement

THE DGW.ai ECOSYSTEM

DGServe

STRATEGY & ADVISORY



AI-driven consulting, operational assessment, feasibility studies and ROI-driven strategies.

DGSys

DEPLOYMENT & INTEGRATION



Robotics integration, automation systems, controls, installation and project execution.

DGWBrain

AI INTELLIGENCE PLATFORM



Operational intelligence, digital twins, fleet management, analytics and autonomous control.



OUR DIFFERENCE

Full-stack AI & robotics ecosystem combining strategy, deployment, and intelligence in one platform.



OUR MISSION

To build the intelligent operational infrastructure that powers the industries of the future.

THE GLOBAL SHIFT TOWARD INDUSTRIAL AI

Market Trends + AI Transformation



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We are entering a **new era of intelligent industries**. AI, robotics, and automation are no longer optional – they are the new foundation for global competitiveness.



Higher Productivity
AI-driven automation boosts productivity by 50–80%



Lower Costs
Operational cost savings of 20–40%



Smarter Operations
Real-time intelligence leads to better faster decisions



Workforce Evolution
AI will impact 85M+ jobs by 2027 & create new skilled opportunities



Sustainability
AI optimizes energy, resources & reduces environmental impact

GLOBAL MARKET OUTLOOK

AI & ROBOTICS MARKET SIZE (USD)



DIGITAL TRANSFORMATION MARKET SIZE (USD)



AI & automation are transforming every industry, **unlocking trillions in value and creating sustainable growth.**

INDUSTRIAL AI ADOPTION DRIVERS

- Rising Labor Costs & Shortage**
Automation bridges the gap
- Demand for Operational Excellence**
Higher quality, speed & reliability
- Data Explosion**
AI turns data into actionable intelligence
- Need for Resilience & Agility**
AI improves prediction & risk management
- Sustainability & ESG Goals**
AI drives efficient, green operations

INDUSTRIES UNDERGOING AI TRANSFORMATION

MANUFACTURING	LOGISTICS & SUPPLY CHAIN	CONSTRUCTION & INFRASTRUCTURE	MINING & HEAVY INDUSTRIES
OIL & GAS	AIRPORTS & SEAPORTS OPERATIONS	HOSPITALITY & FOOD SERVICE	SMART RETAIL & PUBLIC SPACES

PROVEN IMPACT ACROSS INDUSTRIES (Average Estimates)

50–80% Productivity Improvement	20–40% Operational Cost Reduction	30–50% Maintenance Downtime Reduction	25–40% Error & Defect Reduction	25–40% Logistics Efficiency Improvement	20–30% Energy & Resource Optimization
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GLOBAL STUDIES & REFERENCES

- McKinsey & Company
- Boston Consulting Group (BCG)
- World Economic Forum (WEF)
- Deloitte Insights
- PwC
- MarketsandMarkets
- International Federation of Robotics (IFR)

DGW.ai Architecture

DGServe → DGSys → DGWBrain

A Unified Ecosystem that Designs, Deploys and Intelligently Operates Autonomous and AI-Driven Industrial Solutions.



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OUR VALUE

- Higher Productivity**
AI-driven automation boosts efficiency
- Lower Costs**
Reduces operational costs by 20-40%
- Safer Operations**
AI-powered safety and predictive systems
- Sustainability**
Optimized energy and resource usage
- Workforce Evolution**
Upskilling + new high-value jobs

DGSERVE

STRATEGY & ADVISORY



We Design the Future
Data-backed strategies for measurable impact.

DGSYS

DEPLOYMENT & SYSTEMS INTEGRATION



We Build the Intelligence Layer
Engineering, integration and deployment excellence.

DGWBRAIN

AI PLATFORM & OPERATIONAL INTELLIGENCE



We Power Intelligence & Continuous Optimization
Real-time insights, smarter decisions, better outcomes.

OUTCOMES

- Improved Efficiency
- Cost Optimization
- Operational Excellence
- Scalable Growth
- Sustainable Impact

ECOSYSTEM ENABLERS

- Secure Infrastructure
- Data Security & Compliance
- Cloud & Edge Architecture
- Open APIs & Integrations
- Cybersecurity by Design

INDUSTRIES WE TRANSFORM

- Construction & Infrastructure
- Manufacturing & Industry 4.0
- Logistics & Warehousing
- Mining & Heavy Industry
- Oil & Gas
- Hospitality & Smart Services
- Smart Cities & Public Sector

DGWBrain Operational Intelligence Platform

Digital Twin / FME / AI Stack / Orchestration

DGWBrain is the intelligent core that connects people, assets, data and operations. It perceives, understands, decides and orchestrates – in real time.



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DGWBrain Architecture



Dashboards & Visualization



Alerts & Notifications



Reports & Analytics



Mobile & Web Interfaces



APIs & Enterprise Integrations

APPLICATION LAYER

INTELLIGENCE LAYER

DATA & DIGITAL TWIN LAYER

CONNECTIVITY LAYER

DIGITAL TWIN ENGINE



Real-time virtual representation of assets, operations & environment for simulation, monitoring and prediction.

FLEET MANAGEMENT ENGINE (FME)



Centralized fleet orchestration, task allocation, routing, scheduling, traffic management & performance optimization.

AI & ANALYTICS STACK



Machine Learning, Deep Learning, Predictive Analytics, Optimization & Prescriptive Recommendations.

ORCHESTRATION ENGINE



Workflow orchestration, decision automation, policy engine, rule management and closed-loop execution.

Operational Data

Sensor Data

Video & Images

Equipment Data

ERP / MES / TMS

External Data

Edge Devices

PLC / SCADA

IoT Gateways

5G / Wi-Fi / Mesh

Cloud Platforms

Third-Party Systems

From Data to Decisions. From Insights to Impact.

KEY CAPABILITIES



Real-time Situational Awareness



Predictive Maintenance & Health Monitoring



Autonomous Decision Making



Resource & Energy Optimization



Dynamic Planning & Re-routing



Performance Analytics & KPI Tracking



Anomaly Detection & Risk Management



Fleet & Asset Intelligence



Scalable, Secure & Sovereign Architecture

BUSINESS IMPACT



20-40%
Operational Efficiency



15-30%
Cost Reduction



30-60%
Asset Utilization Improvement



99.9%
System Uptime & Reliability

SECURE. SCALABLE. FUTURE-READY.



ISO 27001
Information Security



ISO 9001
Quality Management



CE
Compliant



TUV
Approved



Sovereign
& Private Cloud

BUILT FOR EVERY INDUSTRY



CONSTRUCTION & INFRASTRUCTURE



LOGISTICS & WAREHOUSING



MANUFACTURING & INDUSTRY 4.0



PORTS & TERMINALS



MINING & HEAVY INDUSTRIES



AIRPORTS & TRANSPORT



HOSPITALITY & RETAIL



ENERGY & OIL & GAS



AGRICULTURE & SMART FARMS



SMART CITIES & PUBLIC SERVICES

DGWBrain turns complexity into clarity, data into intelligence, and operations into a **competitive advantage**.

Built on Intelligence. Engineered for Impact.

The foundational technologies powering DGW.ai's autonomous, AI-driven and intelligent operational ecosystem.



dgw.ai

1. SLAM & HD MAPPING

Real-time localization.
High-definition understanding.



- ✓ 3D SLAM for indoor & outdoor environments
- ✓ IMU + GNSS + RTK fusion for centimeter-level accuracy
- ✓ HD Map creation, multi-session mapping
- ✓ Dynamic re-localization & loop closure
- ✓ Drift-free navigation in complex terrains

ACCURATE POSITION.
ZERO GUESSWORK.

2. SENSOR FUSION

See everything.
Understand everywhere.



- ✓ Multi-sensor data fusion (LiDAR, Radar, Cameras, GNSS, IMU)
- ✓ 360° perception & object classification
- ✓ Environmental awareness in all conditions
- ✓ Pedestrian, vehicle & obstacle detection
- ✓ Weather-proof and low-light capability

COMPLETE PERCEPTION.
MAXIMUM SAFETY.

3. TELEOPERATIONS

Command from anywhere.
Operate with confidence.



- ✓ Low-latency remote control (DGTele)
- ✓ Multi-camera live streaming & telemetry
- ✓ Secure mesh / 5G communication
- ✓ Haptic control & immersive interface
- ✓ Fail-safe control & emergency override

REMOTE CONTROL.
REAL-TIME DECISION.

4. AI ANALYTICS

Turn data into intelligence.
Drive smarter operations.



- ✓ AI-driven insights & predictive analytics
- ✓ Anomaly detection & risk prediction
- ✓ Demand forecasting & resource optimization
- ✓ Predictive maintenance & health monitoring
- ✓ Prescriptive recommendations

DATA TO INSIGHT.
INSIGHT TO ACTION.

5. FLEET INTELLIGENCE

Orchestrate fleets.
Optimize every move.



- ✓ Fleet Management Engine (FME)
- ✓ Dynamic task allocation & routing
- ✓ Traffic management & collision avoidance
- ✓ Energy management & auto-charging
- ✓ Real-time monitoring & performance KPIs

ONE FLEET.
ONE INTELLIGENT SYSTEM.

UP TO 40%
INCREASE IN OPERATIONAL
EFFICIENCY

UP TO 30%
REDUCTION IN OPERATIONAL
COSTS

99.9%
SAFETY THROUGH AI &
MULTI-LAYER REDUNDANCY

UP TO 50%
PRODUCTIVITY IMPROVEMENT
ACROSS OPERATIONS

SUSTAINABLE
LOWER EMISSIONS.
SMARTER FUTURE.

INTELLIGENT TECHNOLOGIES.
REAL-WORLD IMPACT.

DGW.ai PRODUCT ECOSYSTEM

Intelligent Solutions. Endless Possibilities.

A Unified Portfolio of AI-Powered Robotics & Automation Solutions
Built for Real-World Impact Across Every Industry.



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- AUTONOMOUS MOBILITY
- TELEOPERATIONS
- SMART WAREHOUSING
- ROBOTIC AUTOMATION
- ADVANCED FABRICATION
- HOSPITALITY AUTOMATION
- ENTERTAINMENT ROBOTICS

DGMove

Autonomous industrial vehicles for real-world operations in complex environments.

KEY CAPABILITIES

- Autonomous ITVs, Trucks & Shuttles
- SLAM, Sensor Fusion & HD Mapping
- Fleet Management & Routing
- Drive-by-Wire & Safety Systems
- Indoor & Outdoor Operations

IDEAL MARKETS

- Ports & Terminals
- Airports
- Logistics Yards
- Mining
- Construction Sites

DGTele

Remote & semi-autonomous operations with real-time control, telemetry & AI assistance.

KEY CAPABILITIES

- Remote Control & Teleoperation
- Multi-Camera & Sensor Feeds
- AI-Assisted Operations
- Data Logging & Analytics
- Secure Low-Latency Connectivity

IDEAL MARKETS

- Construction
- Mining
- Oil & Gas
- Agriculture
- Remote Sites

DGStore

Modular autonomous warehouse ecosystem for storage, sorting, and smart material handling.

KEY CAPABILITIES

- Autonomous Forklifts & AMRs
- Smart Racking & AS/RS
- Robotic Sorting & Bin Handling
- WMS Integration & Digital Twin
- AI Inventory & Slot Optimization

IDEAL MARKETS

- Warehousing
- 3PL & Logistics
- Retail & E-commerce
- Manufacturing
- Cold Chain

DGSort

AI-powered robotic sorting, palletizing, storing & assembly solutions for every industry.

KEY CAPABILITIES

- Pick & Place & Sorting Robots
- Palletizing & Depalletizing
- Smart Storage & Retrieval
- Precision Assembly Solutions
- Vision AI & Quality Inspection

IDEAL MARKETS

- F&B & Beverage
- Pharma & Healthcare
- Electronics
- Plastics
- Retail DCs

DGCNC

Advanced robotic fabrication, CNC machining, engraving & additive manufacturing.

KEY CAPABILITIES

- Robotic Milling, Cutting & Drilling
- 3D Printing (GRC, Resin, Foam)
- Engraving & Artistic Fabrication
- Aluminum Profiling & Welding
- Digital Twin & AI Path Planning

IDEAL MARKETS

- Construction & Interiors
- Facade & GRC
- Furniture & Art
- Aluminum Fabrication
- Theme Parks & Events

DGCafe

AI-powered F&B automation ecosystem redefining hospitality efficiency & guest experience.

KEY CAPABILITIES

- Robotic Barista, Chef & Bartender
- Smart Cooking & Food Assembly
- POS & Inventory Integration
- Kitchen Workflow Automation
- Remote Monitoring & Analytics

IDEAL MARKETS

- Hotels & Resorts
- Restaurants & Cafes
- Airports & Lounges
- Food Courts & Malls
- Cloud Kitchens

DGPlay

Robotics-based entertainment solutions for interactive, engaging & unforgettable experiences.

KEY CAPABILITIES

- Robotic Games (Chess, Darts, etc.)
- VR & Motion Simulation Pods
- AI-Driven Interactivity
- Selfie & Engagement Stations
- Smart Analytics & Engagement

IDEAL MARKETS

- Theme Parks & Arcades
- Malls & Attractions
- Schools & STEM Labs
- Events & Expos
- Smart City Zones

ONE ECOSYSTEM. LIMITLESS IMPACT.

Every DGW.ai product is powered by DGWBrain, deployed through DGSys, and designed through DGServe.

DGServe
Strategy & Advisory

We assess, plan & design the right solution.

DGSys
Deployment & Integration

We build, integrate & deploy robotics & automation.

DGWBrain
AI Intelligence Layer

We optimize, learn & elevate operations continuously.

7
Product Lines
One Complete Ecosystem

20+
Core Technologies
AI, Robotics & Automation

15+
Industries
Transformed Globally

**Scalable.
Adaptive.
Autonomous.**

Built for Today.
Ready for Tomorrow.

How All Products Connect Operationally

One Ecosystem. Intelligent Connections. Seamless Operations.



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INDUSTRY APPLICATIONS CONSTRUCTION & INDUSTRIAL MANUFACTURING

DGMove + DGTele + DGCNC + DGSort



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SAFE OPERATIONS
Minimize risk in high-hazard environments



HIGHER PRODUCTIVITY
Optimized workflows and faster project execution



LOWER COSTS
Reduced labor, fuel and rework



REAL TIME INTELLIGENCE
AI-driven decisions, monitoring and control



SUSTAINABLE FUTURE
Lower emissions, efficient resource utilization

APPLICATION AREAS

KEY SOLUTIONS



BUSINESS IMPACT

DGMove

AUTONOMOUS VEHICLES & FLEET



- Autonomous haul trucks, loaders, forklifts
- Material transport across sites & plants
- Automated site logistics & yard operations
- Real-time fleet monitoring & route optimization

- Up to 40% reduction in operational costs
- 24/7 operations with minimal downtime
- Improved safety & reduced human risk
- Higher asset utilization & efficiency

DGTele

REMOTE OPERATIONS & TELEOPERATION



- Remote control of construction & plant equipment
- Teleoperation for hazardous & critical tasks
- Real-time video, sensor & situational awareness
- AI-assisted automation & operator support

- Operate in extreme & hazardous locations
- Reduced downtime & travel costs
- Higher operator safety & comfort
- Better decision-making with live data

DGCNC

ROBOTIC FABRICATION & CNC AUTOMATION



- Robotic milling, carving & CNC machining
- GRC mold making, façade & ceiling fabrication
- Aluminum profiling for doors, windows & structures
- 3D printing, engraving, cutting & welding

- Up to 70% faster execution
- High precision & repeatability
- Reduced material waste
- Lower labor dependency

DGSort

SMART SORTING, PALLETIZING & ASSEMBLY



- AI-based pick & place and sorting
- Robotic palletizing & depalletizing
- Smart storage (AS/RS) & bin handling
- Precision assembly & kitting solutions

- Up to 50% warehouse efficiency boost
- 99.9% accuracy in sorting & handling
- Reduced manual errors & damages
- Scalable, modular & future-ready

IDEAL FOR

- Construction Sites
- Manufacturing Plants
- Industrial Workshops
- Prefabrication Yards

INTEGRATED WORKFLOW

DGMove transports materials intelligently • DGTele enables remote control & critical task execution
DGCNC fabricates with robotics precision • DGSort manages smart handling, sorting & assembly
One Ecosystem. Seamless Operations. Maximum Impact.

POWERED BY DGW.ai ECOSYSTEM

- DGServe** Strategy & Advisory
- DGSys** Deployment & Integration
- DGWBrain** AI Intelligence Layer

INDUSTRY APPLICATIONS:

Logistics, Warehousing & Smart Mobility

DGStore + DGMove + DGSort

Intelligent Automation. Seamless Movement. Smarter Operations.



30-50%
Efficiency
Improvement



20-40%
Operational Cost
Reduction



99.9%
Accuracy &
Reliability



Sustainable
Future-Ready
Operations



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DGWBrain
AI CONTROL & FLEET MANAGEMENT

FLEET STATUS
96% Active

TASKS
128 In Progress

UTILIZATION
85%

THROUGHPUT

Overview Vehicles Tasks Inventory Alerts Analytics

DGStore
Smart Modular
Autonomous Warehouse

STORAGE BAY
MODULES

A12

A13

**SORTING BAY
ROBOTIC SYSTEMS**

DGMove
Autonomous Vehicles
Smart Mobility

 **DGStore**
Smart Modular
Autonomous Warehouse

- Modular & scalable design
- AS/RS with AI slotting
- Integrated WMS & digital twin

 **DGMove**
Autonomous Vehicles
& Smart Mobility

- AGVs, Forklifts, Trucks
- AI path planning & safety
- 100% electric / H₂ ready

 **DGSort**
Robotic Sorting,
Palletizing & Assembling

- Vision-guided pick & place
- Palletizing & bin handling
- Precision assembly solutions

KEY BENEFITS

-  **Autonomous Warehousing**
24/7 operations with minimal human intervention
-  **AI Fleet Coordination**
Optimized routing, task allocation & traffic management
-  **Robotic Sorting & Dispatch**
High-speed, error-free sorting, palletizing & order fulfillment
-  **Smart Inventory Optimization**
Real-time tracking, slotting & predictive replenishment
-  **Digital Twin Visibility**
Live monitoring, simulation & KPI dashboards
-  **Real-Time Logistics Intelligence**
Data-driven decisions for peak performance



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INDUSTRY APPLICATIONS:

Oil & Gas, Mining & Heavy Industries

AI-Powered. Autonomous. Built for the Toughest Environments.



OIL & GAS OPERATIONS



MINING OPERATIONS



HEAVY INDUSTRIES



DGW.ai delivers intelligent automation and real-time operational control for the world's most demanding industries—improving safety, reducing costs, and maximizing productivity across every asset.



REMOTE OPERATIONS

Centralized control centers for multiple sites and assets. Operate from anywhere with real-time situational awareness.



AUTONOMOUS FLEETS

Driverless trucks, loaders, drilling rigs and transport vehicles operating 24/7 with precision, efficiency and safety.



HAZARDOUS ENVIRONMENTS

Remove people from high-risk zones. AI-driven systems handle toxic, extreme temperature or explosive areas.



PREDICTIVE MAINTENANCE

AI models predict failures before they happen—reducing downtime, extending asset life and lowering maintenance cost.



INDUSTRIAL MONITORING

24/7 monitoring of equipment, pipelines, pressure, vibration, temperature and performance metrics in real time.



TELEOPERATIONS

High-fidelity video, haptic feedback & low-latency control for machines in remote or unsafe locations.



Multi-Camera Live Feeds



Haptic & Joystick Control



Real-time Telemetry



Safety Override & Emergency Stop



AI Assist & Path Projection

KEY OUTCOMES



30-50%
Productivity Improvement



20-40%
Operational Cost Reduction



99.9%
Safety & Reliability in Critical Operations



25-40%
Maintenance Cost Reduction



Lower Emissions & Sustainable Operations



INDUSTRY APPLICATIONS:

Hospitality, Smart Retail & Public Experience

DGCafe + DGPlay

AI-Powered Automation. Intelligent Engagement. Memorable Experiences.



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DGCafe

AI-Powered Hospitality Automation

Robotic Food & Beverage Operations

Smart Guest Experience

24/7 Intelligent Service

Real-Time Workflow Optimization

COFFEE	COCKTAILS	BURGER
Espresso	Mejito	Classic
Cappuccino	Blue Lagoon	Cheese
Latte	Sunset	Double
Mocha	Passion Fruit	Spicy



DGBurger



DGChess



DGBasket



DGSelfie



DGSim



DGPlay

Robotics-Based Entertainment

Interactive Public Experiences

Smart Retail Engagement

AI-Powered Gamification

Social & Experiential Attraction Systems

DGWBrain

AI COMMAND & INTELLIGENCE CENTER



+50% Faster Service Delivery

+60% Labor Optimization

+40% Visitor Engagement

AI-Driven Guest Analytics

Premium Experiential Revenue Model

DEPLOYMENT & DELIVERY MODEL

DGServe — Strategic Assessment & ROI Feasibility + Transformation Strategy

DGServe is DGW.ai's consulting and advisory engine that evaluates your operations, performs AI-powered analysis, and delivers a data-driven transformation blueprint with measurable ROI and execution strategy.



AI-Driven
Data Analysis



Actionable
Insights



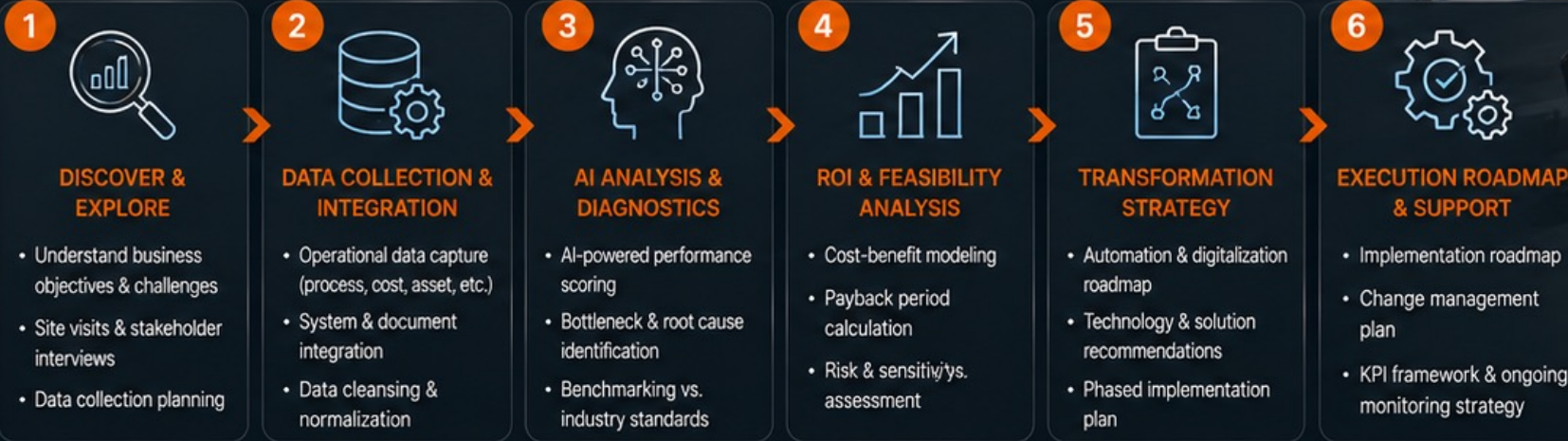
ROI & Cost
Feasibility



Tailored
Transformation
Strategy



DGServe METHODOLOGY



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VALUE TO YOUR BUSINESS

- Reduce Operational Costs: 10–40%
- Improve Productivity & Efficiency: 30–60%
- Enhance Quality & Compliance: Up to 99.9%
- Sustainable & Future-Ready Operations
- Faster ROI Payback in: 12–24 Months

DGServe DELIVERABLES

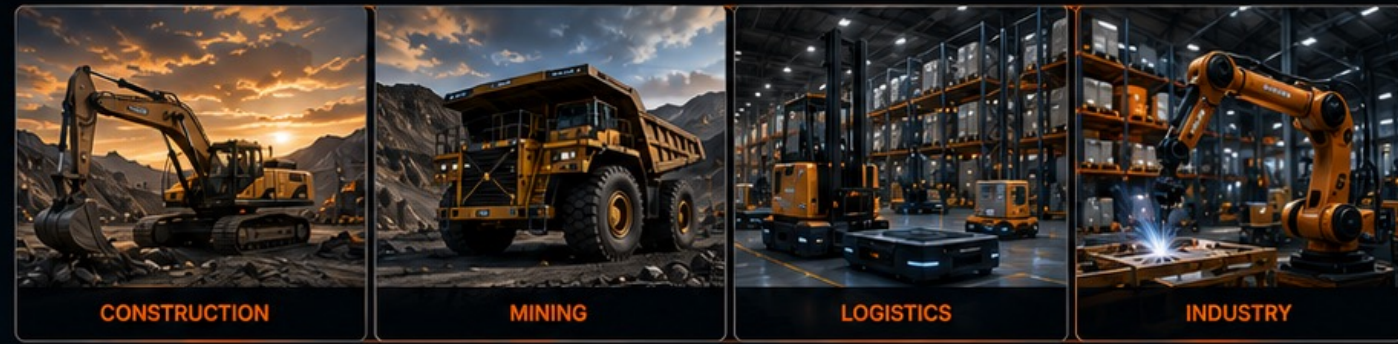
- AI-Powered Assessment Report
- ROI & Cost Feasibility Report
- Transformation Roadmap & Phased Plan
- Executive Presentation Deck
- Implementation Support & Advisory

DEPLOYMENT & DELIVERY MODEL

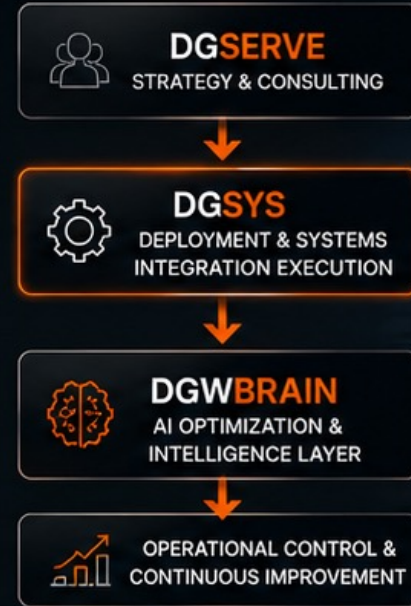
DGSystem — Deployment & Systems Integration Execution

+ Controls + Robotics

From strategy to reality. End-to-end deployment, integration & control of robotics, autonomous systems and industrial infrastructure.



	1 ROBOTICS & HARDWARE DEPLOYMENT Industrial Robots Autonomous Vehicles Smart Sensors & IoT Drive-by-Wire Systems Edge Controllers & PLCs
	2 SYSTEMS INTEGRATION LAYER MES / ERP / SCADA Integration Fleet Management Interfaces DGWBrain Connectivity Site Control Dashboards Real-Time Telemetry & APIs
	3 OPERATIONAL CONTROL & SAFETY Safety Interlocks Emergency Override Systems Geofencing & Access Control Predictive Maintenance Logic Cybersecurity & Redundancy
	4 COMMISSIONING & GO-LIVE FAT / SAT Testing Calibration & Validation Operator Training Performance Benchmarking Continuous Optimization Handover



30-50%
FASTER INTEGRATION

99%+
OPERATIONAL UPTIME

MULTI-LAYER
INDUSTRIAL PROTECTION

ERP / MES / FLEET / IoT
UNIFIED INTEGRATION

MULTI-SITE
EXPANSION READY

DEPLOYMENT & DELIVERY MODEL

DGWBrain — AI Optimization & Operations Continuous Intelligence + Analytics

Real-Time Intelligence. Smarter Decisions. Superior Outcomes.

DGWBrain is the central AI engine that continuously learns, optimizes and enhances every operation across your ecosystem in real time — transforming data into intelligent action.

CORE AI CAPABILITIES

<p>AI-DRIVEN ANALYTICS Real-time analysis of operational data to uncover insights, patterns and opportunities.</p>	<p>AUTOMATION OPTIMIZATION AI models optimize workflows, robotics, routes, and asset utilization dynamically.</p>
<p>PREDICTIVE INTELLIGENCE Predict equipment failures, demand spikes, delays and operational risks before they happen.</p>	<p>PRESCRIPTIVE RECOMMENDATIONS AI suggests the best actions with ROI impact, cost savings, and efficiency gains.</p>
<p>REAL-TIME MONITORING Live visibility across assets, systems, safety, performance, energy and more.</p>	<p>CONTINUOUS LEARNING Self-learning AI improves accuracy, decision-making and outcomes over time.</p>

DGWBrain AI COMMAND & INTELLIGENCE CENTER



OPERATIONAL OVERVIEW

DAY WEEK MONTH YEAR

Throughput Efficiency

ASSET HEALTH STATUS

Total Assets: 1,248

- Healthy: 82%
- Warning: 12%
- Critical: 6%

AI ALERTS & NOTIFICATIONS

- Predictive Maintenance Alert: 2 min ago
- Route Optimization Available: 5 min ago
- Energy Consumption Spike: 8 min ago
- Inventory Reorder Suggestion: 12 min ago

FLEET OVERVIEW

- Autonomous Trucks: 128 Active
- Autonomous Forklifts: 86 Active
- Autonomous Robots: 204 Active
- Autonomous Buses: 18 Active

KEY PERFORMANCE TRENDS

THROUGHPUT (Units): +32.5%

DOWNTIME (Hours): -28.4%

MAINTENANCE COST (USD): -24.7%

ORDER FULFILLMENT (On-Time %): +18.9%

SAFETY INCIDENTS (Count): -42.1%

ENERGY USAGE (kWh): -22.3%

DGWBrain
KEY BENEFITS

- Smarter Decisions**
AI-powered insights lead to faster and better decisions.
- Cost Reduction**
Lower operational costs through intelligent optimization.
- Higher Productivity**
Boost efficiency, output, and resource utilization.
- Risk Mitigation**
Predict and prevent risks, failures, and safety incidents.
- Sustainability**
AI optimizes energy usage and supports green operations.
- Continuous Improvement**
AI learns and adapts for ongoing excellence.

THE DGW.ai
EXECUTION FLOW



<p>Up to 50% Operational Efficiency Improvement</p>	<p>Up to 40% Cost Reduction</p>	<p>Up to 60% Downtime Reduction</p>	<p>Up to 99.2% Safety & Reliability</p>	<p>Real-Time Global Visibility</p>	<p>AI-Driven Predictive Insights</p>	<p>Scalable Across All Industries</p>
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Enterprise Deployment Models

Private Cloud / Sovereign / On-Prem / Hybrid



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DGWBrain is designed to fit every enterprise infrastructure strategy — from fully isolated on-prem environments to globally scalable hybrid deployments with full **data sovereignty** and **security**.

-  **FLEXIBLE & SCALABLE**
Deploy across any infrastructure — scale as you grow.
-  **DATA SOVEREIGNTY**
100% control over your data — wherever it resides.
-  **ENTERPRISE GRADE SECURITY**
Built-in multi-layer protection and compliance.
-  **HIGH AVAILABILITY**
Resilient, redundant, and business-continuous.
-  **COST OPTIMIZED**
Choose the model that fits your TCO and operational needs.



PRIVATE CLOUD

Secure. Dedicated. Controlled.



- Dedicated environment hosted in your private cloud.
- Fully isolated with enterprise-grade security.
- Customization, scalability, and dedicated resources.

USE CASES


Large Enterprises


Banks & Financials


Government Organizations


Critical Infrastructure

BEST FOR Organizations needing a secure, dedicated environment with full control.



SOVEREIGN CLOUD

Local Hosting. National Compliance.



- Hosted within national borders.
- Compliant with local data protection regulations.
- Ideal for governments and regulated industries.
- Supports data residency and local compliance.

USE CASES


Government


Defense & Security


Healthcare


Local Regulations

BEST FOR Organizations requiring data sovereignty and regulatory compliance.



ON-PREM DEPLOYMENT

Full Control. Maximum Security.



- Deployed entirely within your on-prem infrastructure.
- Highest level of security and data ownership.
- No dependency on external connectivity.
- Ideal for air-gapped or high-security environments.

USE CASES


Manufacturing


Energy & Utilities


Mining & Resources


Air-Gapped Environments

BEST FOR Organizations with strict security requirements and no cloud dependency.



HYBRID CLOUD

Best of Both Worlds.



- Seamless integration of on-prem and cloud.
- Flexible workload distribution.
- Optimized performance and cost efficiency.
- Enables innovation with control and flexibility.

USE CASES


Global Enterprises


Multi-Site Operations


Digital Transformation


Scalable Growth

BEST FOR Organizations needing flexibility, scalability, and workload optimization.

- ENTERPRISE DEPLOYMENT CAPABILITIES**

 -  Multi-Tenancy Architecture
 -  Role-Based Access Control
 -  End-to-End Encryption
 -  Disaster Recovery & Backup
 -  High Availability Clustering
 -  Edge + Cloud Intelligence
 -  API-First Integrations
 -  24/7 Monitoring & Support

- 

100% DATA OWNERSHIP
You own your data. Always.



GLOBAL COMPLIANCE
GDPR, ISO 27001, NIST, SOC 2, and more.



99.9%+ SYSTEM UPTIME
Designed for mission-critical operations.



ZERO VENDOR LOCK-IN
Open architecture. Future-ready.



DEPLOY ANYWHERE
Cloud, On-Prem, or Hybrid.



BUILT TO SCALE
From single site to global enterprise.

LEADERSHIP TEAM

Visionary Leaders. Proven Experts. Building the Future with AI & Robotics.

Our leadership team brings together decades of global experience in AI, Robotics, Automation, Operations, and Enterprise Transformation.

UNITED BY A COMMON COMMITMENT



INNOVATE

Push the boundaries of what's possible



TRANSFORM

Deliver real impact for our clients



EMPOWER

Build high-performing teams & partnerships



SUSTAIN

Create a smarter, safer and sustainable world



Eng. Hanna Mokdad

Chief Executive Officer (CEO)

Engineering executive leading DGW.ai's strategic vision, industrial transformation initiatives, and global expansion across AI, robotics, and automation infrastructure.

- Strategic Vision & Leadership
- Global Expansion & Partnerships
- Industrial Transformation Expert
- AI, Robotics & Automation Specialist



Eng. Bilal AlZoubi

Chief Operating Officer (COO)

Industrial operations and business development leader specializing in AI-driven transformation, automation strategy, robotics deployment, and large-scale operational optimization.

- Operations Excellence
- Automation & Robotics Deployment
- Business Development
- Operational Optimization Leader



Mr. Martin Wenzel

Chief Commercial Officer (CCO)

Commercial and growth executive driving enterprise partnerships, strategic market expansion, and global commercialization initiatives across industrial AI and automation sectors.

- Commercial Strategy & Growth
- Enterprise Partnerships
- Global Market Expansion
- Sales & Business Development



Sophia Isema

Chief Technology Officer (CTO)

Technology and systems architecture leader overseeing DGW.ai's AI platforms, software infrastructure, integration frameworks, and intelligent operational technologies.

- AI Platforms & Engineering
- Software Architecture
- Systems Integration
- Technology Innovation Leader



Frankie Mcdad

Chief Business Officer (CBO)

Business and investment strategy executive leading corporate growth, investor relations, strategic positioning, and commercial development initiatives for DGW.ai globally.

- Business Strategy & Growth
- Investor Relations
- Strategic Positioning
- Corporate Development Leader



DIVERSE EXPERTISE

AI, Robotics, Automation, Operations, Finance, Strategy & Enterprise Transformation



GLOBAL EXPERIENCE

Proven leadership across multiple industries and international markets



SHARED MISSION

Deliver innovative, intelligent solutions that transform businesses and communities



LONG-TERM VALUE

Committed to sustainable growth, client success and shareholder value



STRONG GOVERNANCE

Built on integrity, transparency, accountability and best global practices

DGW.ai LEGACY PROJECTS, POC'S & EVENTS



dgw.ai

Pioneering AI, Robotics and Automation Solutions Across Industries.

Real Deployments. Real Impact. Real Transformation.

KEY INDUSTRY DEPLOYMENTS

DP WORLD
JEBEL ALI PORT



AUTONOMOUS ITV FLEET

World's first retrofit of 146 Autonomous Internal Terminal Vehicles. In operation with real commercial impact.

APM TERMINALS
THE NETHERLANDS



AUTONOMOUS OPERATIONS

Deployed autonomous solutions for container handling and terminal automation.

ROBOCAFE
UAE



AI-POWERED F&B AUTOMATION

Fully operational robotic cafe systems delivering drinks, snacks and customer experience.

GEMS EDUCATION
UAE



ROBOTICS IN EDUCATION

Integrated robotics and AI solutions in schools for learning, engagement and innovation.

Trojan Construction



AUTONOMOUS LOGISTICS

Autonomous trucks and yard solutions deployed for terminal and logistics operations.

Aramex



WAREHOUSE AUTOMATION

Smart warehouse robotics integration for material handling, sorting and internal transport.

OUR ROBOTICS & AUTOMATION SOLUTIONS



DELIVERYBOT

Autonomous Delivery



SWEEBOT

Autonomous Cleaning



SECURITYBOT

Autonomous Patrol



e-BiGo

Autonomous Bus



INDUSTRIAL ROBOTICS

Welding, Milling, Drilling, Cutting, Packaging



DGCafe

Robotic F&B Solutions



DGSort

Sorting & Palletizing



DGStore

Smart Warehouse Solution



DGCNC

Robotic Fabrication & Machining



DGTele

Remote & Automated Operations

OUR IMPACT AT A GLANCE



6+
Countries
Active Deployments



20+
Industries
Served



150+
Autonomous &
Robotic Systems
Deployed



50+
Enterprise
Clients



40-80%
Operational Efficiency
Improvement



99.9%
Safety & System
Reliability

EVENTS, POCs & PROJECTS



dgw.ai

EVENTS & COLLABORATIONS



Autonomous vehicle demonstration



Collaboration with government partners



Real-world testing in urban environment



Shaping the future of smart mobility



BiGO – LAST MILE TRANSPORTATION

- By converting any kind of standard bus or van into a fully **autonomous** vehicle, we achieve utmost flexibility and feasibility, to ensure the future of public transportation.
- Equipped with the latest Sensor technology and our **autonomous driving AI Engine**, BiGO can be operated even in city scale environments.
- BiGO becomes part of a **fully advanced transportation network**, makes it possible to manage a whole fleet of smart cars and operate public transportation from a centralized control.





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BUILDING THE FUTURE WITH
AI, ROBOTICS & PRECISION ENGINEERING

ROBOTIC MILLING OF LARGE MOLDS FOR CONSTRUCTION



LARGE SCALE
MILLING



COMPLEX
GEOMETRIES

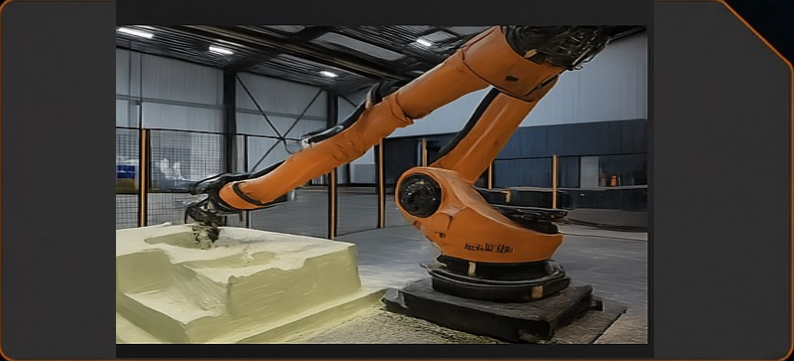
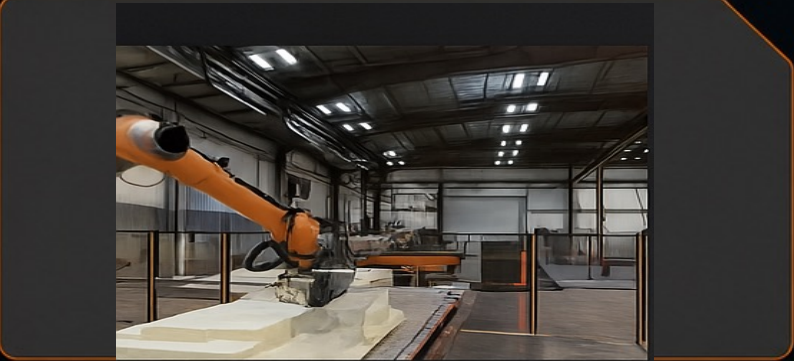


AUTOMATED
PROCESSES



OPTIMIZED
PRODUCTIVITY

PRECISION | INNOVATION | PERFORMANCE
DELIVERING EXCELLENCE IN EVERY PROJECT



AI POWERED
ROBOTICS



HIGH
PRECISION



SAFE &
RELIABLE



MAXIMUM
EFFICIENCY

DGW.ai



SYDNEY
AUSTRALIA



HELLO@DGW.AI



DGW.AI

ROBOTIC DRILLING SYSTEM FOR AIRBUS A350 AILERON PRODUCTION



dgw.ai

STRATA MANUFACTURING



LARGE SCALE
MILLING



COMPLEX
GEOMETRIES



AUTOMATED
PROCESSES



OPTIMIZED
PRODUCTIVITY

ROBOTICS OIL PIPES BLASTING & COATING APPLICATION

Industrial robot automates oil pipe blasting and coating application



PRECISION
BLASTING



AUTOMATED
COATING



SAFE &
RELIABLE



HIGH
EFFICIENCY

ONE SOLUTION. MULTIPLE INDUSTRIES.

PRECISION | INNOVATION | PERFORMANCE



AI POWERED
ROBOTICS



HIGH
PRECISION



SAFE &
RELIABLE



MAXIMUM
EFFICIENCY

BUILDING THE FUTURE WITH
AI, ROBOTICS & PRECISION ENGINEERING

AUTONOMOUS LOGISTICS & SMART TERMINAL OPERATIONS



dgw.ai

A COMPLETE SOLUTION POWERED BY AI, ROBOTICS & AUTOMATION

موانئ دبي العالمية
DP WORLD



NEW AUTONOMOUS ITVs TO BOOST OPERATIONAL EFFICIENCY AT JEBEL ALI PORT IN DEAL BETWEEN DP WORLD, UAE REGION AND DGWORLD

“At DP World, UAE Region, we employ today’s frontline technologies such as robotics, automation, Internet of Things, Big Data, virtual reality and cybersecurity to build and sustain our efficiencies. As a tradeenabler, technology has powered and underpinned our capabilities as an essential economic service at a time when the UAE needs us most. Digital technology will continue to drive smart trade for DP World, UAE Region and help us create a better future for all.”

Mohammed Al Muallem
CEO and Managing Director, DP World, UAE Region.

DP WORLD

NEW AUTONOMOUS ITVs TO BOOST OPERATIONAL EFFICIENCY AT **JEBEL ALI PORT** IN DEAL BETWEEN DP WORLD, UAE REGION AND DGWORLD

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”

APM TERMINALS – MVII – NETHERLANDS

ADVANCED TERMINAL EQUIPMENT AUTOMATION & ROBOTICS INTEGRATION FOR SMARTER OPERATIONS



PROJECT PHOTO HERE



AUTONOMOUS TERMINAL VEHICLES



ADVANCED EQUIPMENT AUTOMATION



AI & ROBOTICS INTEGRATION



SMARTER & EFFICIENT OPERATIONS



BOOST OPERATIONAL EFFICIENCY



REDUCE OPERATING COSTS



ENHANCE SAFETY & RELIABILITY



FUTURE READY GLOBAL OPERATIONS

AUTONOMOUS SOLUTIONS FOR EDUCATION & INDUSTRY



dgw.ai

AUTONOMOUS ELECTRICAL CAR FOR EDUCATION

Autonomous Renault Twizy to enable students of **GEMS Schools Dubai** to understand Autonomous Cars and related Technologies, as well give an easy access to related programming of rules and functions.



GEMS
EDUCATION



MOBILE EOD ROBOT SYSTEM MR400 WITH CARRIER VEHICLE

- Mobile Robot System has been delivered to KACST and qualification testing is on going
- Additional Sensor System integration has been started remotely
- Carrier Vehicle and Sensor Mounts ready to ship



STUDENT LEARNING THROUGH INNOVATION



PRACTICAL EXPOSURE TO AUTONOMOUS TECHNOLOGIES



PROGRAMMING OF RULES & FUNCTIONS



SAFE, SMART & SUSTAINABLE EDUCATION



AUTONOMOUS ROBOT OPERATIONS



ADVANCED SENSOR INTEGRATION



RELIABLE & SECURE SYSTEMS



CARRIER VEHICLE READY TO DEPLOY

ONE SOLUTION. MULTIPLE BENEFITS.



IMPROVE OPERATIONAL EFFICIENCY



REDUCE OPERATING COSTS



ENHANCE SAFETY & RELIABILITY



FUTURE READY GLOBAL OPERATIONS

EVENTS, POCs & PROJECTS



RoboCafe - First ever cafe fully operated by Robots

RoboCafe is the world's first fully robotic cafe, delivering an autonomous hospitality experience powered by AI and robotics.



Fully Autonomous Robotic Operations



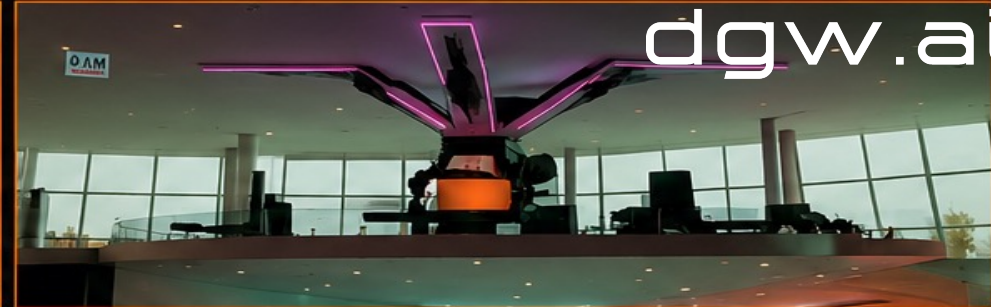
Consistent Quality & Speed



Enhanced Customer Experience



Scalable & Future Ready Model



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talabat

Collaboration Project for EXPO 2020

- Collaboration opportunities between talabat & DGWorld, in first EXPO 2020 project
- For EXPO, Talabat is interested in:
 - Barista / Ice cream robot in talaba building: 1 unit in each floor
- For medium term projects, Talabat is interested on last mile food delivery oclers automation



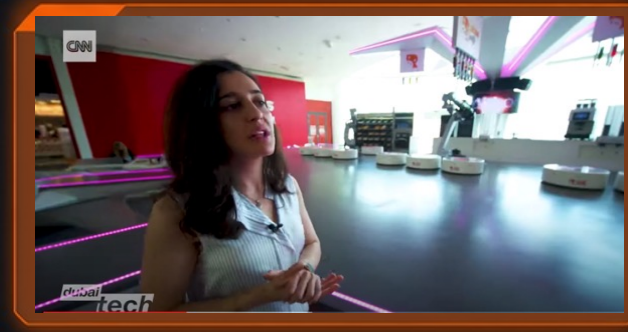
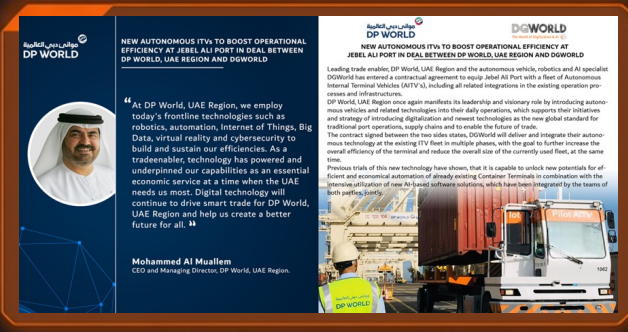
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- Equipped with the latest Sensor technology and our autonomous driving AI Engine, BiGO can be operated even in city scale environments.
- BiGO becomes part of a fully advanced transportation network, makes it possible to manage a whole fleet of smart cars and operate public transportation from a centralized control.



In The News & Media



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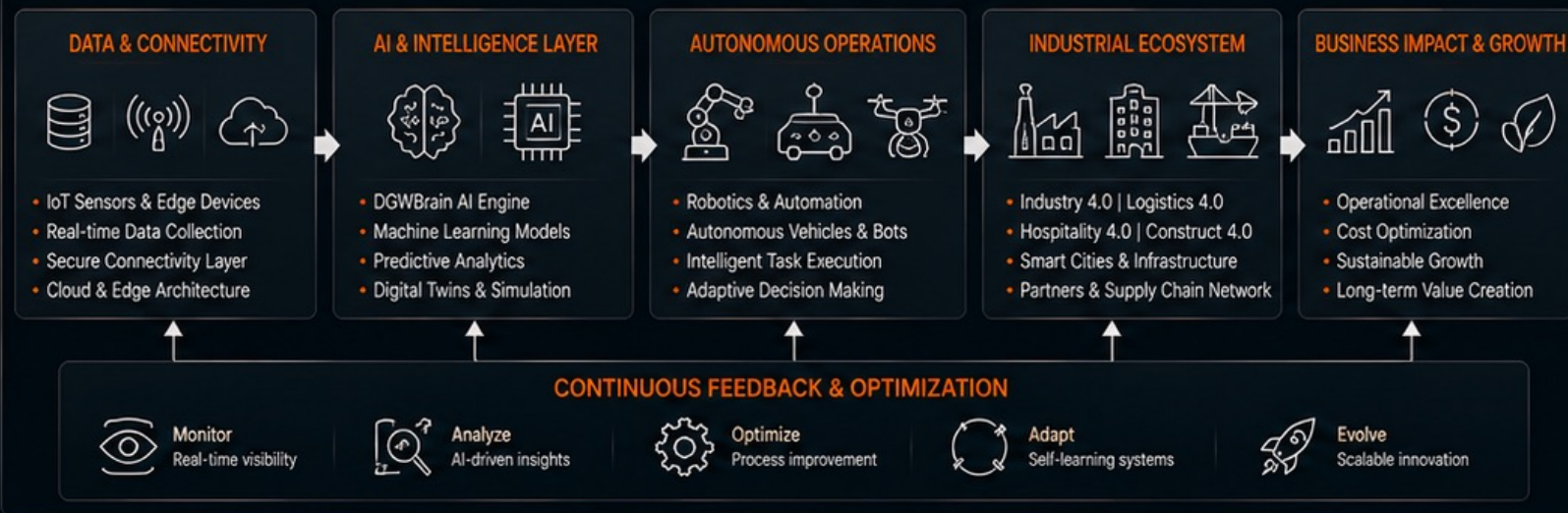
Building the World's Most Advanced Industrial Intelligence Infrastructure

AI-Driven. Autonomous. Connected. Sustainable.

DGW.ai is creating a unified global infrastructure that connects industries, machines, people, and data through AI, robotics, and intelligent automation—driving efficiency, sustainability, and resilience for generations to come.



THE DGW.ai INTELLIGENCE INFRASTRUCTURE



STRATEGIC PILLARS

- AI-FIRST EVERYTHING**
AI embedded into every process, system, and decision.
- AUTONOMOUS FUTURE**
Autonomous machines and intelligent systems working safely alongside humans.
- CONNECTED ECOSYSTEM**
A unified platform connecting industries, operations, and global partners.
- RESILIENT & SECURE**
Secure, reliable, and future-proof infrastructure with sovereign control.
- SUSTAINABLE IMPACT**
Driving sustainability, safety, and social value across industries and communities.

LONG-TERM IMPACT

- \$5.8T**
Total Addressable Market by 2030
- 100M+**
Jobs Transformed Globally
- CO₂ ↓ 40%**
Through Sustainable Automation
- \$1T+**
Economic Value Creation for Our Partners
- Limitless**
Innovation for a Smarter Future

OUR LONG-TERM VISION ROADMAP



KEY ENABLERS

- World-Class Talent
- R&D & Innovation
- Strategic Partnerships
- Scalable Technology
- Strong Governance
- Sustainable Investment

WHY DGW.ai

Building the World's Most Advanced Operational Intelligence Infrastructure

DGW.ai brings together AI, Robotics, Automation and Teleoperations into a complete ecosystem that transforms operations, optimizes performance and drives sustainable growth across industries.



WHY NOW



Industrial AI adoption accelerating globally



Rising labor, safety & operational pressures



AI + Robotics shifting from optional → strategic necessity



Industry 4.0 transformation window is active now



WHY US



- ✓ Full-stack ecosystem: DGServe • DGSys • DGWBrain
- ✓ Real industrial deployment focus
- ✓ AI + Robotics + Autonomous Operations under one architecture
- ✓ Scalable across Industry, Logistics, Construction, Hospitality & Smart Cities



WHY DGW.ai

- ✗ Not software only
- ✗ Not robotics only
- ✗ Not consultancy only

A COMPLETE OPERATIONAL INTELLIGENCE INFRASTRUCTURE



AUTONOMOUS OPERATIONS



AI DECISION INTELLIGENCE



ROBOTICS INTEGRATION



TELEOPERATIONS & REMOTE CONTROL



PREDICTIVE OPTIMIZATION



DIGITAL TWIN INFRASTRUCTURE



FLEET INTELLIGENCE



REAL-TIME OPERATIONAL VISIBILITY

THANK YOU

FOR YOUR TIME & CONSIDERATION

DGW.ai is building the Intelligent Infrastructure for the Future – AI-powered, **Robotic**-enabled, and **Human**-centered.



Together, we can transform industries, optimize operations, and **drive the future** of business innovation.

DIGITIZING THE WORLD WITH AI & ROBOTICS

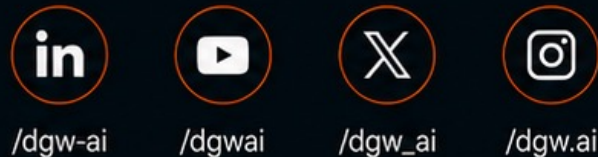
LET'S CONNECT

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- ☎ +61 2 8046 3849
- 📍 Sydney, Australia



SCAN TO VISIT OUR WEBSITE

FOLLOW US



OUR ECOSYSTEM

DGServe
CONSULTING
& ADVISORY

DGSys
SYSTEMS
& DELIVERY

DGWBrain
AI COMMAND
& INTELLIGENCE



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