2026.04 FIFTEEN EDITION

MILDEF CRETE

Corporate Newsletter

PLM System Optimization and Material Management Consulting Project

By Executive Vice President Nelson Chou

Dear Colleagues,

I have consistently led the MIS department in actively optimizing our company's systems and boosting overall efficiency, with the vision of allowing everyone to invest their time in tasks that truly matter. By addressing our system vulnerabilities and integrating AI to enhance cross-departmental workflows, I hope this year marks the "Year of AI" for our company—a year where everyone can truly experience and benefit from the results of these system optimizations!

Regarding our newly launched PLM System Migration and Optimization Project, our team will collaborate closely with Digiwin and the MilDef Crete internal team. Our primary objective is to redesign the material management workflow to achieve two core goals: Optimizing Material Management and Shortening Material Preparation Time. Below is a summary of the project's key highlights and subsequent plans:

1. Scope and Optimization Focus:

This project will focus on material optimization based on QCD (Quality, Cost, Delivery) principles and introduce a standard mechanism for Substitute and Alternative Parts. To address high-risk management practices from the past—such as manual annotations and the use of special internal symbols (e.g., the "Bible" manual)—we will promote the standardization of the "One Item, One Number" principle. This will reduce our reliance on individual experience and resolve potential operational gaps caused by current part specification symbols.

2. System Features and Workflow Simplification:

The new system will feature an intuitive workflow configurator, allowing users to set up approval processes without needing an HTML or programming background. Additionally, to address previous issues where failed ERP data transfers lacked notifications, the new system will include an "Integration Assistant" that displays real-time status updates, ensuring the accuracy of data synchronization.

3. Material Calculation and Efficiency Improvement:

To resolve the material calculation issues frequently raised by the Sales and Procurement teams, we will implement systematic options/accessories management and an alternative parts mechanism to eliminate the current heavy reliance on manual judgment. In the future, we also plan to evaluate the implementation of the APS (Advanced Planning and Scheduling) module to handle complex material calculations and delivery matching using a more efficient engine.

4. Consulting and Verification Process:

The project will undergo four phases: Baseline Research, System Training, Simulation Practice, and Final Verification. Throughout the process, we will continuously adjust the model to meet the company's needs and produce standard SOPs exclusively for MilDef Crete. All training sessions will be recorded for future reference, and support will be provided via the Cloud Manager and AI Customer Service systems.

5. Team Collaboration and Responsibility:

We kindly request proactive participation from all department heads and Key Users. Please approach this from the perspective of the company's overall workflow (including ERP integration), rather than solely focusing on the convenience of a single department. We should prioritize using standard programs and carefully evaluate any customization requests to ensure the system's future stability and maintainability.

This is a crucial opportunity to enhance our company's competitiveness and operational efficiency. Please feel free to raise any questions or concerns during the consulting process. If you have any suggestions regarding the current plan, you are welcome to reply and discuss them at any time.

Let's work together to make our future operations smoother and achieve our ultimate goal of working smarter and living better!

Best regards,

Executive Vice President

Nelson Chou

RC08 and GCS17 – Building a Next-Generation Command and Control Architecture for Unmanned Systems

By Jojo Lin

As unmanned system applications continue to expand and mission profiles evolve rapidly, the demand for real-time control and tactical integration across defense, public safety, and critical infrastructure sectors is increasing significantly. The coordination between front-end control and back-end command architectures has become a decisive factor in mission success.

MilDef Crete officially introduces the RC08 UAV controller and the GCS17 Ground Control Station (GCS), forming a comprehensive control ecosystem from frontline operation to backend command. This solution integrates high-performance computing platforms, flexible multi-band RF communication architectures, and ruggedized military-grade design.

RC08

Mobile Control Core × Frontline Mission Control Terminal

RC08 is a next-generation rugged UAV controller designed for high-intensity outdoor operations and tactical applications. Powered by the Intel® Atom® x6413E processor, it delivers an optimal balance of low power consumption and high performance, supporting Windows 11 for a stable and responsive real-time control experience.

High-Visibility Display × Reliable Multi-Tasking Performance

Equipped with an 8-inch 1920 × 1200 high-resolution display featuring 1000 nits brightness and optical bonding technology, RC08 ensures clear visibility of flight data and real-time video even under direct sunlight.

The system includes 16GB DDR4 memory (expandable up to 32GB) and PCIe SSD storage, enabling real-time processing of video streams, flight telemetry, and multi-application workloads.

Flexible RF Architecture × Modular Communication Integration

RC08 features an enhanced communication architecture supporting integration with multiple mainstream RF modules. Its flexible antenna design allows customization based on mission requirements.

A wide range of I/O interfaces enables seamless integration with existing command systems and peripheral devices, forming a complete mission control chain.

Hot-Swappable Battery × Military-Grade Rugged Design

The hot-swappable battery design allows uninterrupted battery replacement during operations, ensuring extended mission endurance.

The system is rated IP65 and complies with MIL-STD-810H and MIL-STD-461G standards, ensuring reliable operation in harsh environments.

As the frontline control core, RC08 plays a critical role in real-time decision-making and mission execution.

GCS17

Advanced Ground Control Station × Tactical Command Integration Platform

GCS17 is MilDef Crete's next-generation high-performance Ground Control Station (GCS), designed for medium-to-large-scale unmanned system operations and tactical command scenarios. As the central platform for mission coordination and situational awareness, it delivers powerful computing and real-time decision support.

High-Performance Computing × Multi-System Management

Powered by the Intel® Core™ Ultra 7 255H processor, combined with DDR5 memory and PCIe Gen4 SSD storage, GCS17 provides high-speed data processing capabilities. It supports simultaneous handling of multiple high-resolution video streams and mission control tasks.

High-Brightness Display × Integrated System Design

The system features a high-brightness display for excellent outdoor readability and clear visualization of mission data.

Its all-in-one enclosure design includes a built-in AC adapter supporting 100V–240V input, enabling rapid deployment without additional power equipment and significantly improving operational mobility and responsiveness.

Multi-Band RF Architecture × Advanced Communication Integration

GCS17 supports multiple SMA antenna interfaces and multi-band RF module integration. It can connect to UAV platforms via UART, LAN, or SBUS, forming a stable and reliable command chain.

Dual Hot-Swappable Batteries × Comprehensive Security Protection

The dual hot-swappable battery design supports full system battery operation, ensuring uninterrupted performance during extended missions.

The system is equipped with TPM 2.0, secure boot mechanisms, multi-level access control, and physical security features, significantly enhancing data protection and system integrity.

As a key command and integration hub, GCS17 provides a stable, secure, and future-ready foundation for professional unmanned system applications.

Building a Complete Unmanned System Control Ecosystem

RC08 addresses frontline mobility and control requirements, while GCS17 strengthens backend tactical command and integration capabilities. Together, they form a dual-core architecture that enables a highly coordinated and scalable unmanned system control framework.

In response to the continued evolution of unmanned system applications, MilDef Crete will further enhance integration depth and scalability, establishing a robust and sustainable technological foundation for mission-critical environments.

Applications of Unmanned Aerial Vehicles (UAVs)

By Mars Li

Over the past decade, UAVs have evolved significantly—from consumer-grade quadcopters used for aerial photography to more advanced platforms such as single-rotor, fixed-wing, and helicopter-type drones. Their applications have expanded from recreational use to commercial and military domains. The UAV market has been growing steadily at an annual rate of approximately 15–20%, with demand continuing to rise year after year. As technology advances rapidly, UAVs are now widely adopted across various industries and application fields.

Key Application Areas of UAVs

UAV applications can be broadly categorized as follows:

1. Defense & Public Safety

Military reconnaissance and combat operations, coastal and border surveillance, traffic monitoring, and disaster response.

2. Commercial & Infrastructure

Equipment inspection, factory monitoring, bridge and building inspections, and topographic surveying.

3. Agriculture

Crop spraying and precision agriculture applications.

4. Logistics

Delivery services in remote areas and parcel distribution by courier companies.

5. Other Industries

Wildlife monitoring and real-time surveillance in offshore fisheries.

Future Trends and Development

1. AI-Based Recognition and Autonomous Flight

Leveraging AI computing and big data analytics to enable obstacle avoidance, target tracking and identification, and automated route planning.

2. BVLOS (Beyond Visual Line of Sight)

With advancements in communication technologies such as SATCOM and 5G, along with regulatory relaxation in many countries, long-range autonomous UAV operations are becoming a key area of commercial development.

3. Non-China Supply Chains

Governments worldwide are actively promoting “non-China supply chains,” with increased focus on military-grade commercial tenders and collaboration with government agencies across different countries.

Fischer Connectors: Enabling the Connected Soldier for Next Generation Command and Control

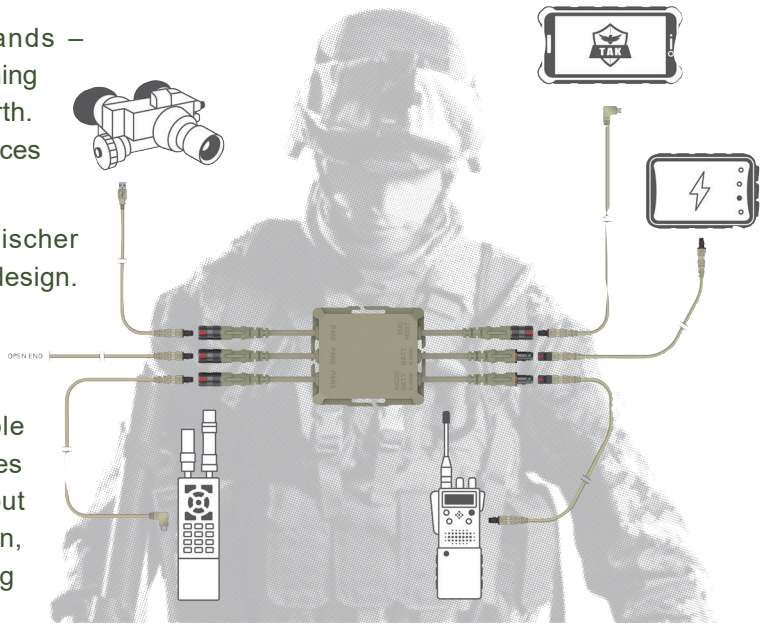
Source From Fischer Connectors

The battlefields of tomorrow demand more than firepower. They demand seamless connectivity – reliable, interoperable, and rugged enough to function in the harshest conditions on earth. As armed forces around the world accelerate their transition to digitized operations under frameworks like Next Generation Command and Control (NGC2), the components enabling that vision must be nothing short of mission critical. Fischer Connectors, the Swiss connectivity specialist and part of the Conextivity technology group, is meeting that challenge head-on with innovative solutions and technologies.

Fischer KEYSTONE: The Backbone of the Connected Soldier

Under the NGC2 paradigm, every dismounted soldier operates as a digital node in a broader network – sharing intelligence, coordinating in real time, and integrating sensors, communications, and navigation into a coherent operational picture. Delivering that capability in the field, however, requires more than software. It demands a physical connectivity layer that is robust, lightweight, and truly plug-and-play.

That is precisely what Fischer KEYSTONE was designed to provide. Available in two variants – a compact 4-port hub for minimal load configurations and a more capable 6-port hub for complex multi-device setups – KEYSTONE functions as a soldier-worn data and power distribution center. It supports USB 2.0 and SMBus data channels and delivers up to 100W of total power (5A max), with bidirectional power delivery on the 6-port model. An intuitive power management application is integrated into the 6-port variant, available either as a standalone application or as an ATAK plug-in on the soldier's end-user device (EUD).



More devices, more data, more power demands – soldiers are expected to manage all of it while remaining focused in the most demanding environments on earth. KEYSTONE is a rugged data and power hub that reduces the burden on today's digitally equipped warfighter.

The engineering behind KEYSTONE reflects Fischer Connectors' deep heritage in MIL-SPEC connector design. The hub carries IP68 sealing rated to 2 meters for 24 hours, MIL-STD-810 compliance for shock, vibration, and immersion, and MIL-STD-461 compliance for electromagnetic compatibility. Its MOLLE-compatible mounting and ergonomic form factor mean it integrates naturally into existing load-bearing equipment without adding undue weight or complexity. Soldiers clip it on, plug in their devices, and it works – no specialist training required.

Since KEYSTONE launched in March 2023, Fischer Connectors' R&D team has developed a comprehensive cable catalog designed around real operational requirements. The portfolio includes general-purpose cables (USB 2.0, RS-232, Ethernet, Nett Warrior type and BB-2590 batteries, right-angled overmolded cable options), radio cables for Silvus, Bittium, L3 Harris, DTC

CODAN, and Thales systems, EUD cables with USB-C right-angled assemblies compatible with Juggernaut cases, and device cables engineered for the MOHOC 2 IP Camera and Safran Vectronix's target acquisition and range-finding systems including the PLRF25C, MOSKITO TI, and STERNA True North Finder.

Critically, this expanded cable portfolio is compatible with Nett Warrior and NATO STANAG 4695/4851 interfaces via Fischer UltiMate 80 connectors, positioning KEYSTONE as a competitive solution in line with U.S. Army Next Generation Hub (NGH) specifications. The result is a platform that speaks the language of interoperability – across vendors, systems, and allied forces.

The operational feedback has been telling. As Olivier Thormann, Product Manager for Fischer KEYSTONE, puts it: "Soldiers say the KEYSTONE hub is reliable and simple and does exactly what it's expected to do. They already know how to use it – they clip it on, plug it in, and it just works."

For defense procurement and integration teams, that simplicity translates directly into reduced training burden, faster fielding timelines, and higher confidence in operational readiness.

KEYSTONE is available with two hub variants: a compact 4-port hub for minimal load, and a 6-port hub with integrated power management for more complex setups. They come with an expanded portfolio of general-purpose, power, radio, EUD, and device cables designed to support seamless plug-and-play connectivity, improved ergonomics, and multi-device and C4ISR communication systems interoperability for dismounted operations within the Nett Warrior compatibility environment.

Fischer UltiMate USB-C with Ratchet Locking System: Bringing the Universal Standard to Extreme Environments

The widespread adoption of USB-C as the universal interface for data, video, and power transmission has been transformative for consumer and commercial electronics. For defense applications, however, the challenge has always been translating that convenience into environments defined by vibration, shock, extreme temperatures, and electromagnetic interference – where an unexpected disconnection is not merely an inconvenience but a potential mission failure.

Fischer Connectors addressed this challenge directly with the release of the Fischer UltiMate USB-C

connector featuring its proprietary Ratchet Locking System (RLS), released in May 2025 as part of the flagship UltiMate series.

The RLS is the mechanical innovation at the heart of this solution. Its asymmetrical tooth profile locks the connector securely under load and resists loosening even under sustained high-frequency vibration. In the UltiMate size 15 contact configuration, the system accommodates up to 27 pins in a receptacle just 25.8mm in diameter, withstands 37.8 Grms of random vibration – exceeding the vibration levels found in most ground vehicles and many aerospace applications – and handles shock loads up to 300g. Despite this mechanical robustness, the system remains tool-free, enabling easy field mating and unmating even with gloves.

For the USB-C connector specifically, the RLS variant withstands 5.35 Grms of random vibration, 10g of sinus vibration, and shock up to 100g. The connector maintains full USB-C functionality throughout: high-speed data transfer, video transmission, and power delivery are all preserved. It supports USB 3.2 Gen 1×2 data rates up to 10 Gbit/s.

The broader environmental specification is equally impressive. The plug carries IP68 sealing; the receptacle offers hermeticity to less than 10^{-8} mbar l/s. Operating temperature range spans -30 to +80°C, salt mist corrosion resistance is rated to 350 hours, and the connector is rated for 3,000 mating cycles with 360° EMC shielding throughout.

Alexandra Monchâtre, Head of Product Management at Fischer Connectors, frames the achievement succinctly: "This new product truly offers the best of both worlds: the ultra-standard and the ultra-rugged."

The Fischer UltiMate USB-C RLS connector is available as a pre-cabled plug and receptacle (28mm diameter) with a flexible PCB, supporting compact integration into space-constrained designs for armored vehicles, UAVs, UGVs, and soldier-worn electronics alike.

A Connectivity Partner Built for Modern Defense

What Fischer KEYSTONE and the UltiMate USB-C RLS connector share is a philosophy: that connectivity in defense environments must never be a weak link. From the soldier at the edge of the network to the armored vehicle transmitting sensor data back to command, reliable physical connections underpin every digital capability that modern battlefield management systems depend upon.

Fischer Connectors brings to these challenges more than seven decades of Swiss engineering precision, a global footprint supporting defense programs from North America to NATO Europe, and an R&D culture oriented around the specific demands of mission-critical environments. As armed forces continue their digital transformation, that combination of heritage and innovation positions Fischer Connectors as a trusted partner for the connected defense ecosystem of today – and tomorrow.

For more information on Fischer KEYSTONE tactical solutions and the Fischer UltiMate USB-C RLS connector, visit fischerconnectors.com.

Design Quality Assurance (DQA)

By Martin Po

DQA stands for Design Quality Assurance.

DQA primarily handles two key missions: New Product Quality Assurance and Customized Product Quality Assurance. It is a crucial department responsible for reviewing and verifying whether a design is viable for mass production during the development stages of both new and customized products.

Throughout the new product development process, DQA assists the R&D team by identifying, reproducing, and analyzing issues, thereby enabling R&D to resolve problems more easily and efficiently.

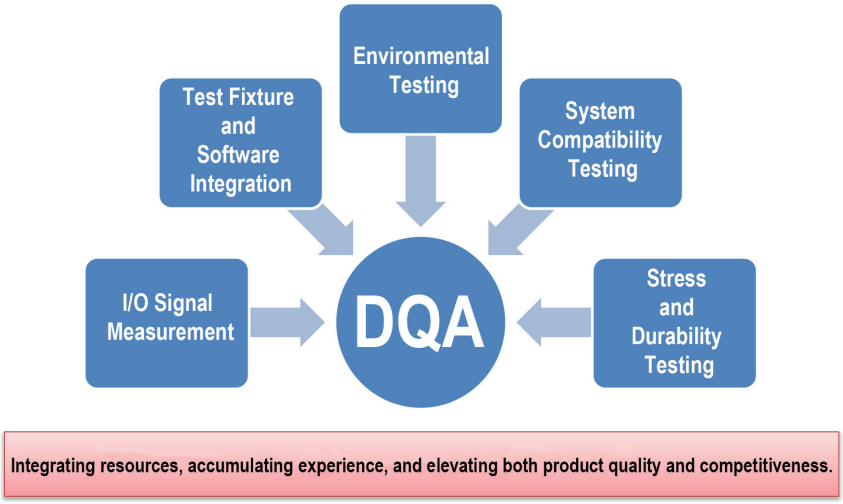


Figure 1: DQA Organizational Structure

As for customized products, since they are an extension of the company's existing product line and one of our most highly competitive offerings, DQA employs a modular testing strategy to evaluate them. By establishing specific testing standards and executing these tests, DQA ensures that the products maintain consistent quality even after customization.

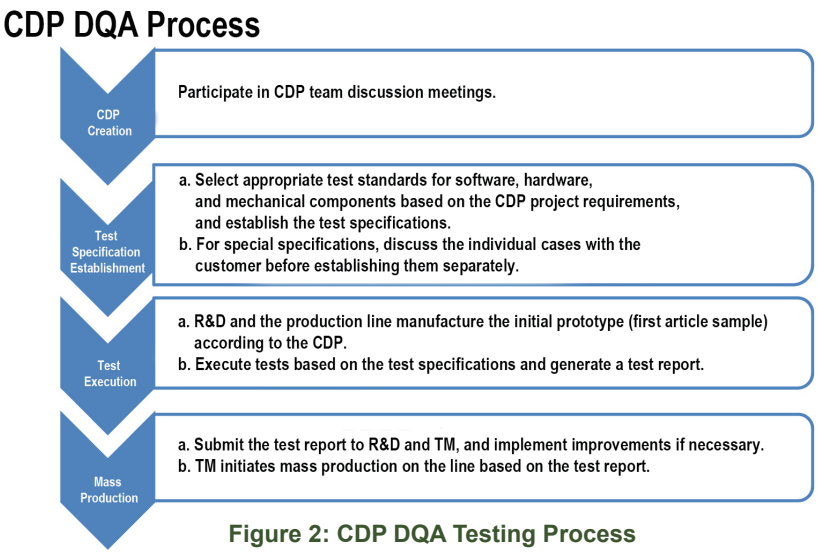


Figure 2: CDP DQA Testing Process

DQA also actively communicates and collaborates with the Sales and Quality Assurance (QA) departments. Through continuous feedback, DQA constantly refines and enhances product quality as well as testing processes.

Figure 3: DQA Communication and Improvement

The concept that "quality is built in by design" is perfectly embodied by the core responsibilities of DQA. We look forward to DQA's involvement continuing to elevate the company's overall product quality.

ESD-Electrostatic Discharge

By Martin Po

Basic Introduction to ESD Protection (QA Internal Training)

Establishing comprehensive ESD countermeasures in an electronics manufacturing facility is crucial. Effective ESD protection is essential to ensure and maintain consistent product quality.

What is ESD?

- ESD (Electrostatic Discharge)
- A momentary flow of electric current generated when objects with different electrical potentials come into contact.
- Common Sources: Personnel movement (walking), friction from clothing, plastic materials, packaging materials, and equipment.

The Impact of ESD on Products

- Immediate Failure: Components are damaged instantly, resulting in test failures (NG / No Good).
- Latent Damage: Hidden damage that may cause product malfunction after shipment.
- Note: Latent damage caused by ESD is the most difficult to detect.

Why is ESD Control Necessary?

- Protect electronic components
- Improve product quality
- Reduce product failure rates
- Comply with customer and international standards

Requirements for Personnel Entering ESD-Sensitive Areas (EPA)

- Must wear an ESD wrist strap
- Must wear ESD shoes or heel straps (heel grounders)
- Must wear an ESD garment/smock
- Wrist straps must pass testing (prior to entry)

Implementation of Facility ESD Protection Equipment

- Environment and Equipment Grounding

  Connect the ground wire to the building's steel reinforcement (rebar) to establish an absolute ground.

- Wrist Strap (Personnel Grounding)

  Ensure personnel properly wear the grounding wrist strap during testing procedures.

- ESD Mat (Anti-Static Mat)

  Cover work surfaces/workbenches with ESD protective mats.

- Ionizer (Static Neutralization)

  Neutralize static electricity using an ionizing blower/fan.

- ESD Bag (Anti-Static Packaging)

Summary The Three Core Principles of ESD:

1. Grounding
2. Neutralization
3. Protection ESD

Control requires the collective compliance of all personnel. "ESD Control is everyone's responsibility.")

ESG and Public Safety: Strengthening ESG, fortifying the safety net

By Michelle Yin

After having navigated the turbulent global environment in 2025, we now step into 2026—a whole new year defined by resilience and the integration of AI.

At this new starting in 2026, ESG development is moving into a deeper social dimension. Environmental, social, and governance practices are being expanded and closely aligned with public safety measures. From a compliance perspective, this means building a robust framework of preventive safeguards and ensure sustainable growth.

1. Environment (E): To reduce environmental risks from preventive thinking.

At MilDef CReTE, we arrange off-site disposal for various types of industrial wastes yearly and maintain a regular removal mechanism. we put our sustainability commitments into action through process optimization by intercepting environmental threats at the source.

We collaborate with certified professional contractors to ensure that every batch of electronic wastes—potentially containing substances such as lead or brominated flame retardants could be handled properly and in full compliance within a regulated system.

Over the past two years (2024–2025), we successfully removed more than 15Tones of wastes, it's equivalent to the full loading of a large tour bus. Among this, the average recycling and reuse rate is 9% above. This is like unloading an entire row of seats from that bus. To change another words, it means that for every 100 kilograms of wastes, more than 9 kilograms are given a new life. On average, the amount of waste recycled and repurposed has reached over 1.35 metric tons. Each ton of effort translates into a reduction of approximately 60 to 90 kilograms of carbon dioxide emissions.

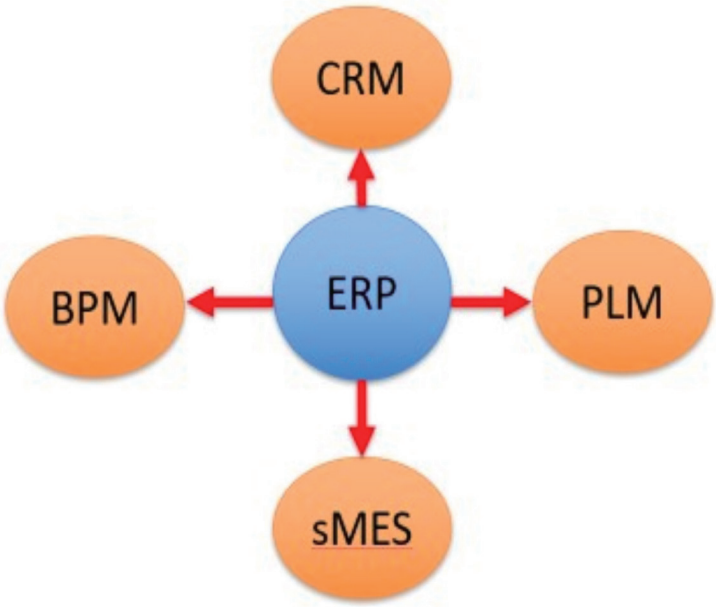
2. Social (S): Workplace Safety guarding, mitigating community risks

MilDef we have established occupational safety department to promote and plan occupational safety and health management, while also sharing updates on the latest regulations and related guidance. In addition, emergency response drills are conducted with teams annually and organized to practice the use of fire extinguishers, and other critical emergency measures.

In response to the increasing accidents of battery or charging device explosions in recent years, we have planned the installation of six lithium battery fire suppression systems (as photo showed explosion-proof boxes, fire tongs, and heat-resistant gloves) to precisely address emerging public safety risks such as chemical fires. We also purchased brand-new carbon dioxide fire extinguishers, which, together with the soon-to-be-completed lithium battery explosion-proof systems, will form a comprehensive public safety protection network. These measures not only strengthen workplace safety but also effectively reduce potential risks to surrounding communities.

3. Governance (G): System Integration, AI Digital × ISO 27001 security

Facing the global wave of digital transformation, we MilDef CReTE are not only actively optimizes its five major system platforms—ERP (Enterprise Resource Planning), BPM (Business Process Management), CRM (Customer Relationship Management), PLM (Product Lifecycle Management), and MES (Manufacturing Execution System)—but also strives to create an efficient and secure working environment. If the integration of these five systems represents is our body bone frame, ISO 27001 security serves as our immune system, while AI functions as the nervous system that enables intelligent operations.



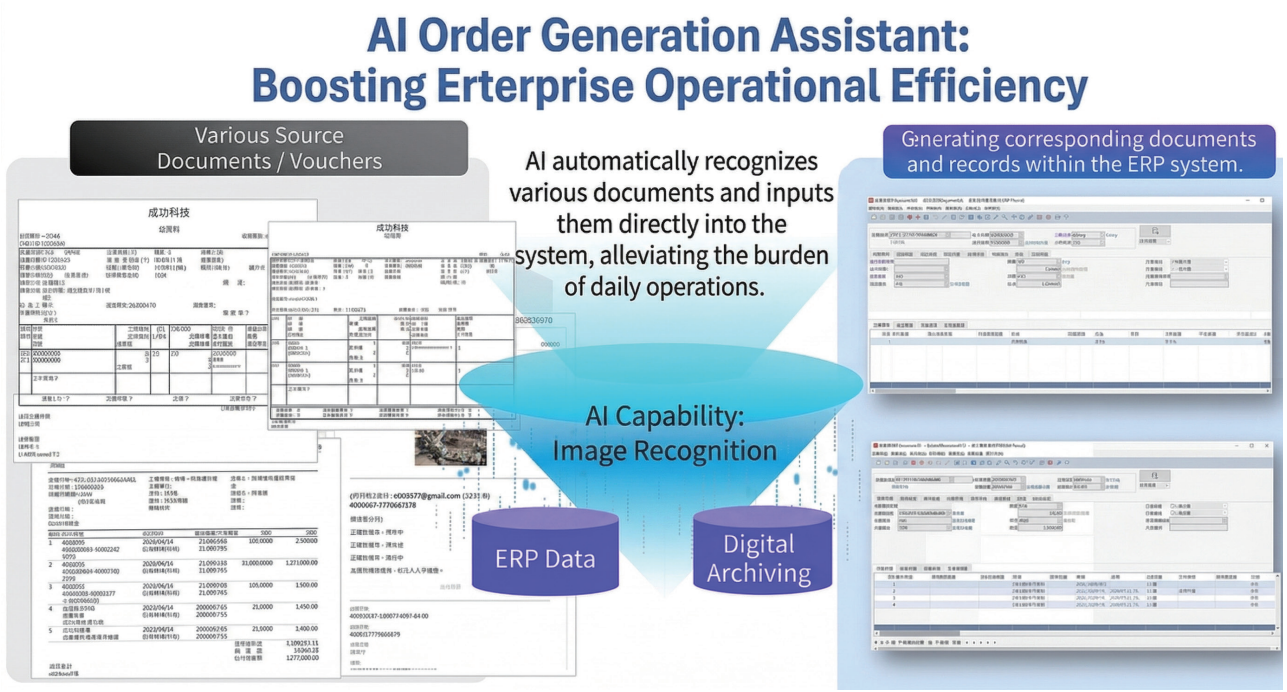
ERP Enterprise Resource Planning	The main enterprise system. It integrates related processes across all departments, including inventory, procurement, sales, and finance.
BPM Business Process Management	An electronic online approval tool It links ERP documents across different departments, integrating the cross-departmental flow of tasks and approvals.
PLM Product Lifecycle Management	The core management of R&D. Related drawing and technical documents saving, including BOM material list or ECR/ECN tracking and history record.
MES Manufacturing Execution System	The production monitoring center It allows for tracking the progress and history of both in-production work orders and shipped products, to ensure the information is transparency.
CRM Customer Relationship Management	Sales database platform It's a digital system and use for managing customer list and quotation files, as well as management of customized project data.

In future, we will continue to deepen the core architecture of digital governance, further improving cross-departmental collaboration efficiency through the integration of five major system platforms. At the same time, by implementing ISO 27001 information security management, we will ensure that the company can effectively resist external threats during the digitalization process. We also hope to create an efficient, secure, and intelligent operating environment, actively moving towards the company's sustainable development goals, and creating more robust value for employees and society.

AI-Driven Transformation and Practical Applications for SMEs

By Vincent Chien

Amid the wave of digital transformation, artificial intelligence (AI) is no longer exclusive to large enterprises. It has become a critical enabler for small and medium-sized enterprises (SMEs) to accelerate growth. According to a 2025 Gartner report, over 60% of SMEs have adopted AI solutions, achieving significant improvements in operational efficiency of 20–30%. Beyond cost reduction, AI unlocks new opportunities for innovation, enabling SMEs to compete more effectively with larger corporations.

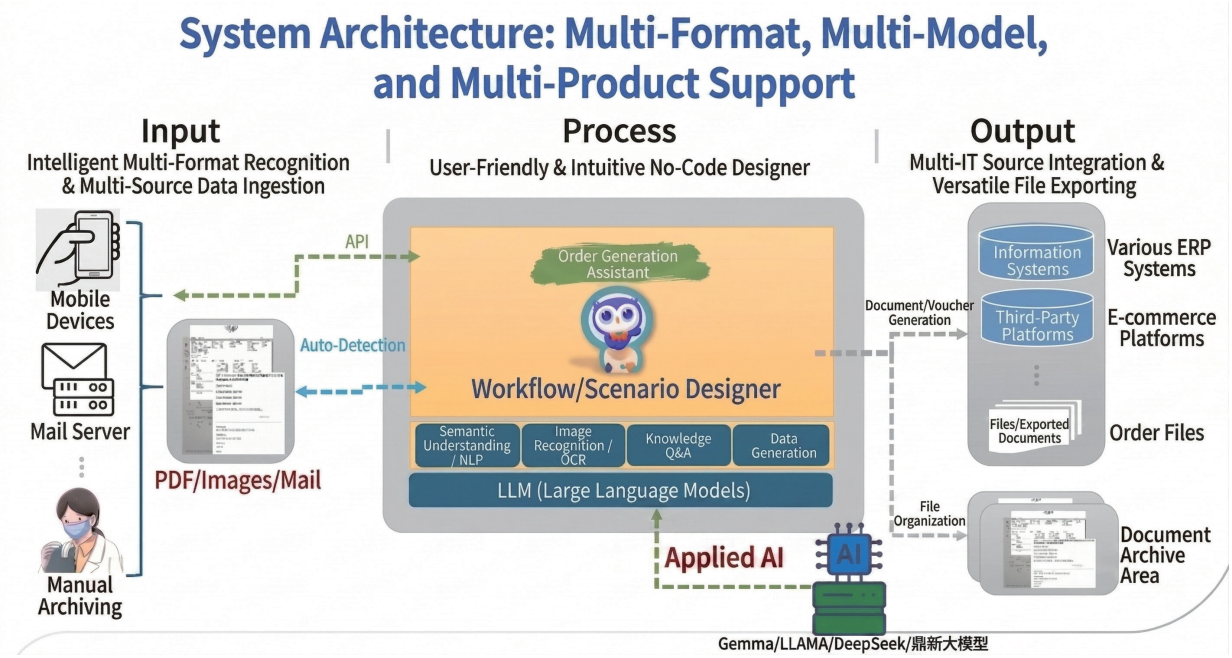


How AI is Reshaping SME Operations

The core value of AI lies in automation and intelligent decision-making.

In customer service, AI-powered chatbots such as ChatGPT and Google Dialogflow can handle inquiries 24/7. A small e-commerce company in Taiwan reduced its customer service workforce by 40% after implementing AI, while customer satisfaction increased by 15%. These systems not only respond to frequently asked questions but also analyze conversational data to anticipate customer needs.

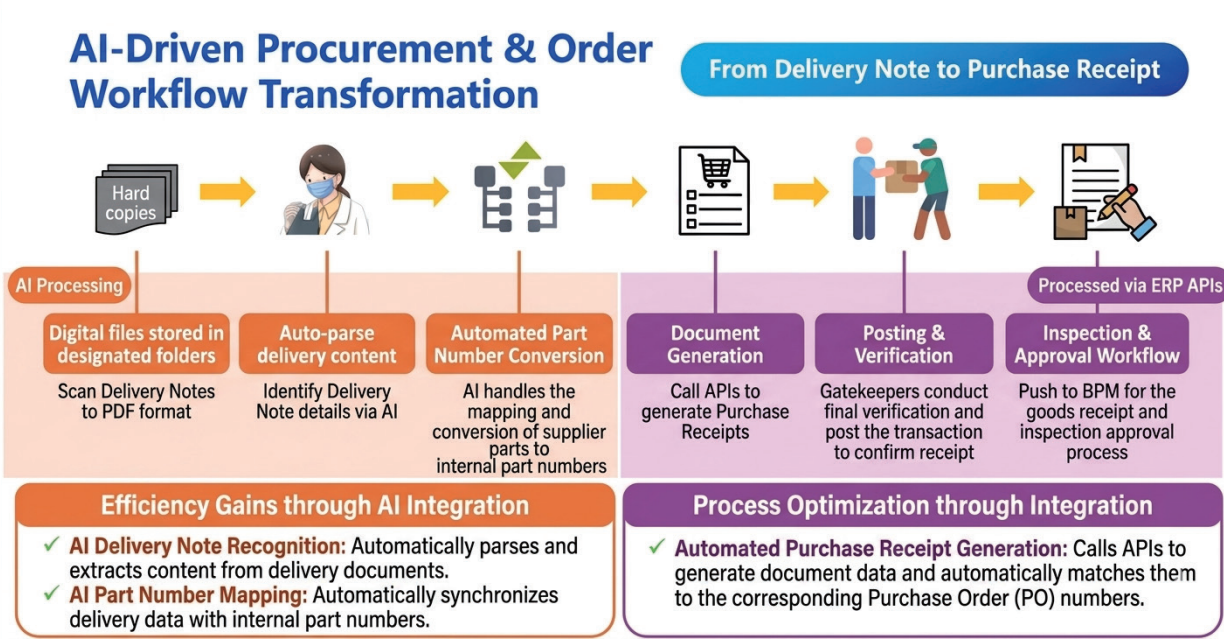
In marketing and sales, AI-driven tools such as HubSpot and Google Analytics enable businesses to analyze user behavior and deliver highly targeted campaigns. A coffee chain in Taipei leveraged an AI recommendation system to push personalized promotions based on customer preferences, resulting in a 25% increase in sales. SMEs can now achieve enterprise-level marketing outcomes through AI-optimized platforms like Facebook Ads without requiring large budgets.



Practical Applications in Manufacturing and Supply Chain

Manufacturing SMEs benefit significantly from AI adoption. Predictive maintenance systems, such as IBM Watson, monitor equipment data to prevent failures. A hardware manufacturer in Kaohsiung reduced downtime by 50% and saved 30% in maintenance costs after implementation.

In supply chain management, AI solutions such as SAP's predictive models analyze inventory and demand, helping businesses avoid overstocking or shortages. During the pandemic, such tools played a crucial role in maintaining stable supply chains for many SMEs in Taiwan.



Human resources are also undergoing transformation. AI-powered recruitment tools, such as LinkedIn's matching algorithms, significantly accelerate hiring processes. One software company reduced recruitment time from several weeks to just a few days, achieving an accuracy rate of 85%.

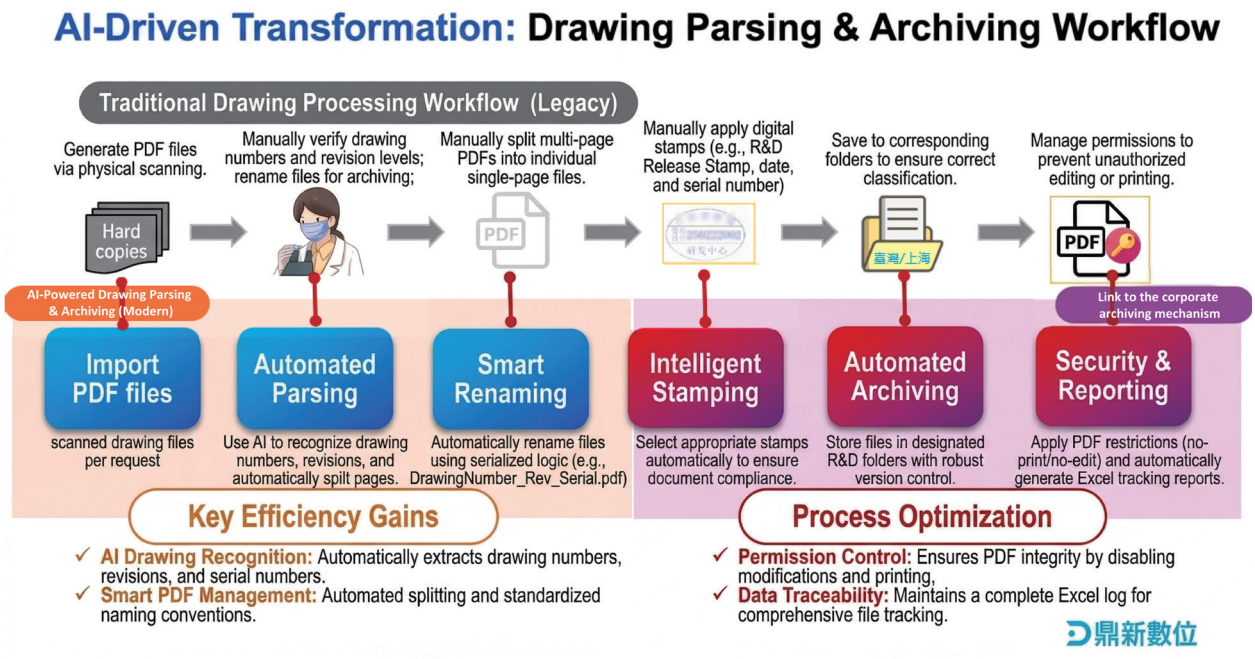
Challenges and Implementation Strategy

In 2026, our company faced challenges arising from labor shortages and material supply constraints, compounded by the accelerating pace of digital transformation. In response, we initiated our AI journey by partnering with Data Systems Consulting (DSC) to deploy an AI appliance as a pilot step toward enterprise AI adoption.

Marking our "Year One of AI," we focused on improving workforce productivity and operational efficiency. Our objective is to leverage AI to automate repetitive and routine tasks, allowing employees to allocate their time more effectively and work in a more efficient manner.

One key application is our AI-powered order assistant. By using AI-based recognition technology, internal documents such as order forms and technical files can be rapidly processed and input into the system, replacing traditional manual data entry.

Manual document processing is time-consuming, error-prone, and heavily dependent on human labor. With the order assistant, error rates are significantly reduced while operational efficiency is improved.



For example, the system can be directly integrated with DSC's ERP platform. Once deployed, it can automatically input order data into the ERP system, replacing manual entry. Employees only need to review the AI-generated data during working hours and confirm accuracy before submitting with a single click. This greatly reduces manual workload and allows staff to focus on higher-value tasks.

AI Order Assistant: Client Application Scenarios

Appendix: Order Creati Restrictions

No.	Category	Scenarios	Descriptions
01	Business Process	Customer Purchase Order → Automatic Order Generation	Convert customer-uploaded purchase orders into internal company orders to reduce manual entry errors.
02	Business Process	Order Change → Order Change Comparison & Processing	Automatically compare customer-requested order changes (quantity, delivery date, items) and generate revision suggestions or updates.
03	Procurement Process	Vendor Quotation → Automatic RFQ (Request for Quotation) Generation	Extract vendor quotation details (items, quantities, prices) and convert them into formal RFQs to improve quotation comparison efficiency.
04	Procurement Process	Delivery Note → Automatic Goods Receipt Creation	Convert vendor-provided delivery documents into goods receipt records using image recognition, reducing manual data entry.
05	Procurement Process	Procurement Inspection → Delivery Note vs. Purchae Order Matching	Use AI to compare delivery notes with original purchase orders, highlighting discrepancies in quantity/amount to accelerate inspection and follow-up adjustments.
06	Procurement Process	Purchase Invoice Entry into ERP → Supplier Invoice Processing	Extract data from paper/electronic invoices and automatically create records in the ERP system for supplier invoice processing, reducing manual work and errors.
07	Accounts Receivable Process	Customer Statement → Data Extraction	Perform field recognition and data extraction from statement images to support subsequent manual reconciliation and record creation.
08	R&D Process	Design Drawings → AI-based Archiving	Use AI to automatically recognize information in design drawings, rename, classify, and archive them into designated folders or systems.
09	R&D Process	Design Documents → Order/Data Etry Processing	Extract part numbers, specifications, and quantities from design drawings or technical documents for automatic record creation.
10	HR/Administrative Process	Attendance Sheet → Automatic Work Hcur Extraction	Use AI to recognize handwritten/printed attendance cards and convert them into digital work-hour records to support payroll and scheduling.

Future Outlook

AI will drive SMEs to evolve from merely surviving to becoming industry leaders. By 2027, AI is expected to contribute USD 15.7 trillion to the global GDP, with SMEs accounting for over 40% of that contribution. Early adoption will be key to gaining a competitive advantage in this rapidly evolving landscape.

Cheers to a Great Year: A Night of Laughter, Joy, and Shared Dreams!

By Welfare Committee

After a whirlwind year of hard work, nothing is more highly anticipated than our "Stress-Free, Joy-Maxed" Annual Year-End Banquet! Tonight, our team of heroes—who usually spend their days rigorously guarding DQA quality, diving into complex ERP data, or parsing intricate R&D drawings—shed their professional armor and put on their most brilliant smiles. The rhythmic clicking of keyboards and the serious hum of meeting rooms have instantly transformed into deafening cheers and the crisp, musical clinking of glasses.


The evening kicked off with a witty and engaging opening speech by Chairman Shen, setting a festive tone for the night. As the gourmet dishes were served, colleagues from different departments who rarely cross paths found themselves drawn closer by the vibrant atmosphere. With glasses raised in mutual respect, the conversations weren't about KPIs or project timelines, but rather about life's little joys, wild dreams for the future, and even the surprising, hidden sides of our coworkers!

Of course, the undisputed climax of the banquet was the breath-taking, heart-pounding lucky draw! The moment the executive's hand reached into the raffle box, the air seemed to freeze as everyone silently prayed for a stroke of good luck. The screams of excitement when the grand prizes were announced nearly brought the roof down! The atmosphere reached a boiling point when Chairman Shen surprised everyone with extra "Red Envelope" cash bonuses. The ecstatic cheers of the winners, mingled with playful banter and laughter from the crowd, created the most vivid and unforgettable soundtrack of the year. This kind of happiness is more fulfilling than any completed project.



"Quality is built in by design, but the strongest synergy is built by coming together!" Although the Year-End Banquet lasted only a few hours, the passion and morale ignited tonight will be our greatest driving force as we head into the new year. As the evening drew to a close with a heartwarming group photo and lingering conversations, we are confident that by standing together, integrating our resources, and building on our experience, we will create even more brilliant and exhilarating chapters ahead. Next year, let's gather again, raise another glass, and reach even greater heights!

Company Employee Trip

By Welfare Committee

This year's company trip was a well-planned three-day, two-night getaway, giving everyone a great opportunity to unwind from busy work schedules while strengthening team connections. On the first day, we headed to Qingjing Farm. As we traveled higher into the mountains, the scenery became increasingly breathtaking, and the fresh, cool air was a refreshing change from the city. Upon arrival, we strolled across the expansive grasslands, enjoyed panoramic mountain views, and watched the lively sheep show, which brought plenty of laughter and set a relaxed and cheerful tone for the trip.

On the second day, we visited the stunning Sun Moon Lake and explored the area at a leisurely pace. Some colleagues chose to cycle along the scenic lakeside paths, enjoying the gentle breeze and beautiful surroundings, while others opted for a boat tour to appreciate the lake from a different perspective. We also had the chance to taste local specialties, adding a delightful culinary experience to the journey. The relaxed atmosphere encouraged interaction and conversation, helping everyone connect beyond the workplace.

The final day took us to Formosan Aboriginal Culture Village, where culture and entertainment came together. The park features rich indigenous cultural exhibits alongside a variety of exciting rides, offering something for everyone. Whether enjoying the attractions or learning about Taiwan's diverse heritage, the day was filled with fun and memorable moments.

Overall, this trip not only provided a refreshing break from work but also strengthened team spirit and camaraderie. It was a meaningful experience that left everyone with lasting memories and renewed energy for the challenges ahead.

COMPANY INTRODUCTION

MilDef Crete was founded at 1990, we fulfill ISO 9001 and ISO14001. MilDef Crete focus on rugged computer market. We have complete product line including rugged laptop, tablet, mobile device and these products could be use in fields including military, public safety, public utility, on-site service, petroleum and natural gas, telecommunications, transportation, manufacturing, mobile commerce, etc.

MilDef Crete's products sold to the whole world by the brand MilDef. We have transnational team and several sites at Euro, North America and Australia. We provide our customer quicker and better service by co-work with our distributors and dealers. We keep focus on innovation and product development to provide best products for professional usage. We also have best R&D team for any customized demand. Our products pass various standards including MIL-STD-810 and International Protection Marking (IP54, IP65, IP67) and could fufill special request such like MIL-STD-461, ANSI or ATEX directive.

FIFTEEN EDITION 2026 / 4

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