



A Convergent Company

ARTIFICIAL INTELLIGENCE PROFILE

Enterprise AI

ENGINEERING DRIVEN SOLUTIONS

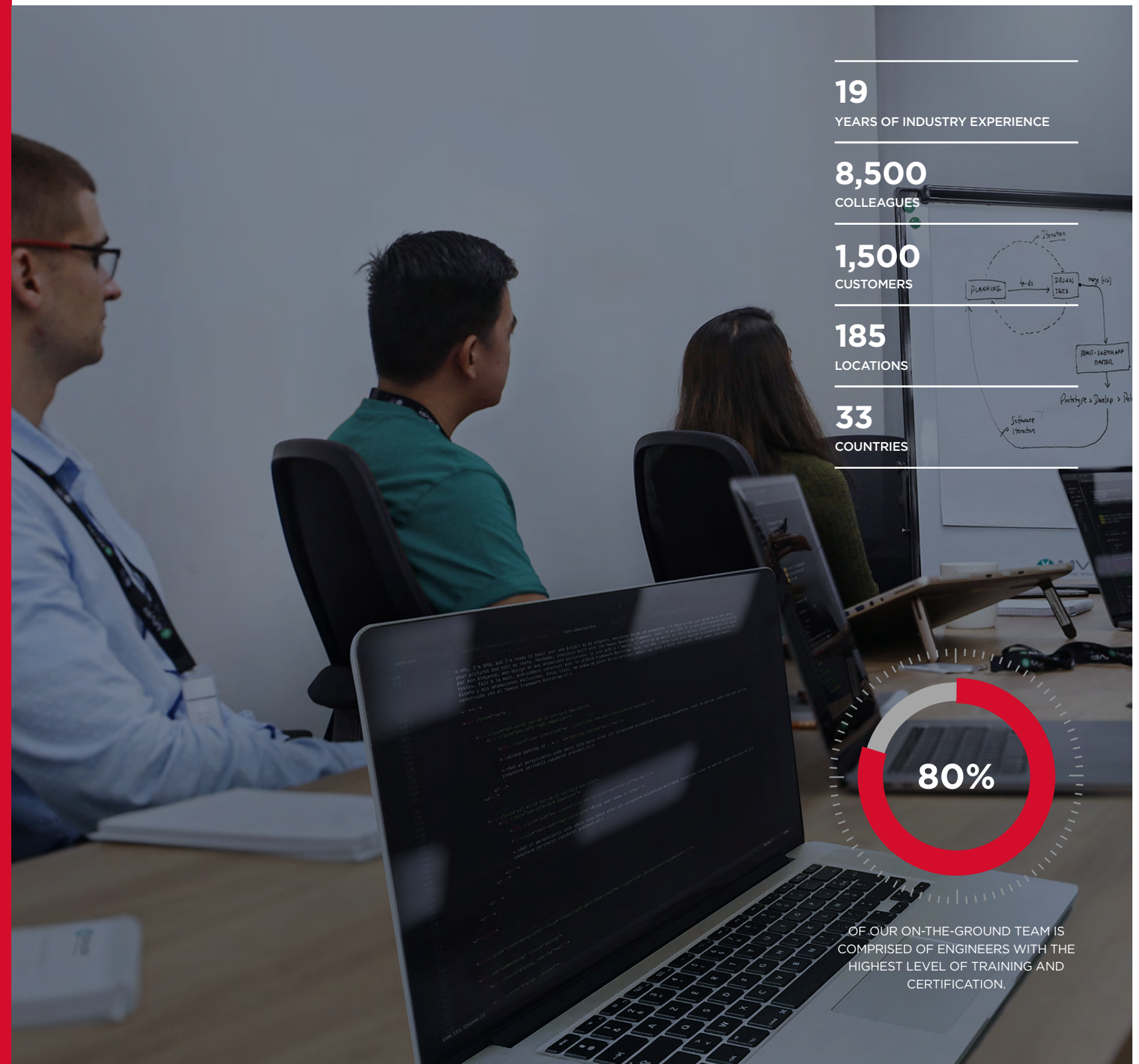
At MVP Tech we're building end-to-end solutions that radically improve operational efficiencies and unlock new opportunities for growth.

MVP Tech was founded on the principle that engineering expertise is the driving force behind great systems integration providers. Since our launch in 2003, we have pioneered the industry and created industry-leading bespoke AI, security, IT system solutions, and services for the private sector, military, and government applications.

Powered by our parent company Convergent, and with an on-the-ground workforce larger than any of the international players, we're one of the few companies combining diverse global perspectives with the localized knowledge needed to deploy

mission-critical solutions across the MENA region.

For almost two decades we have spearheaded every sector of the security and IT systems integration industry through our experience and expertise with AI, Computer Vision, and Video Analytics. With the launch of our new AI division, we are leveraging our unique talent and cutting-edge technologies to deliver state-of-the-art solutions capable of providing real-time actionable information seamlessly to our customers, partners, and communities.



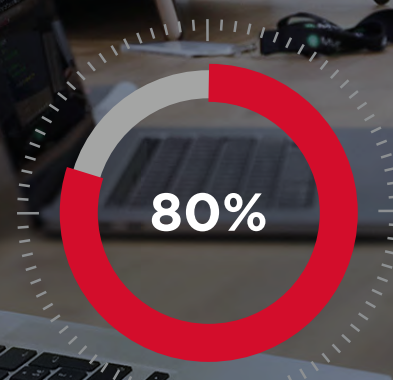
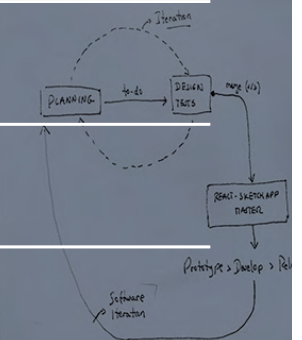
19
YEARS OF INDUSTRY EXPERIENCE

8,500
COLLEAGUES

1,500
CUSTOMERS

185
LOCATIONS

33
COUNTRIES



80% OF OUR ON-THE-GROUND TEAM IS COMPRISED OF ENGINEERS WITH THE HIGHEST LEVEL OF TRAINING AND CERTIFICATION.



Smarter Business by Design

USHERING IN THE AGE OF AI-POWERED TRANSFORMATION IN THE MENA REGION

We're pioneering new ways to implement AI and unleashing opportunities and efficiencies through data, transforming virtually every aspect of how organizations operate.

Artificial Intelligence is transforming the world as we know it. It enables us to envision a future where organizations and entities can be remotely accessible with limited human intervention and manual labor, eliminating human error and increasing efficiencies.

Organizations are often confused about AI's impact and how to implement it. That's where we come in. We develop innovative solutions and create intelligent platforms that scale and re-evaluate organizational structures. From generating business insights, improving customer experiences to increasing operational efficiencies, boosting the bottom line, and strengthening security, AI has limitless potential.



AI Technology

Artificial intelligence is a field that leverages computers and machines to mimic the problem-solving and decision-making capabilities of the human mind



Machine Learning

The capability of a machine to imitate intelligent human behaviour and solve problems.



Natural Language Processing

Gives computers the ability to understand and generate text and spoken words in much the same way human beings can.



Computer Vision

Enables computers to derive meaningful information from images, videos, and other visual inputs.

2003

Founded

- / Security
- / IT Infrastructure

2010

High Growth Begins

- / Security
- / IT Infrastructure

2020

AI Powered Solutions

- / Security
- / IT Infrastructure
- / AI Applications
- / AI Software Development
- / Software Solutions

2021

Enhanced Service

- / Security
- / IT Infrastructure
- / AI Software Solutions
- / Datacenter Solutions
- / R&D and Analytics

2022

End-to-End Services

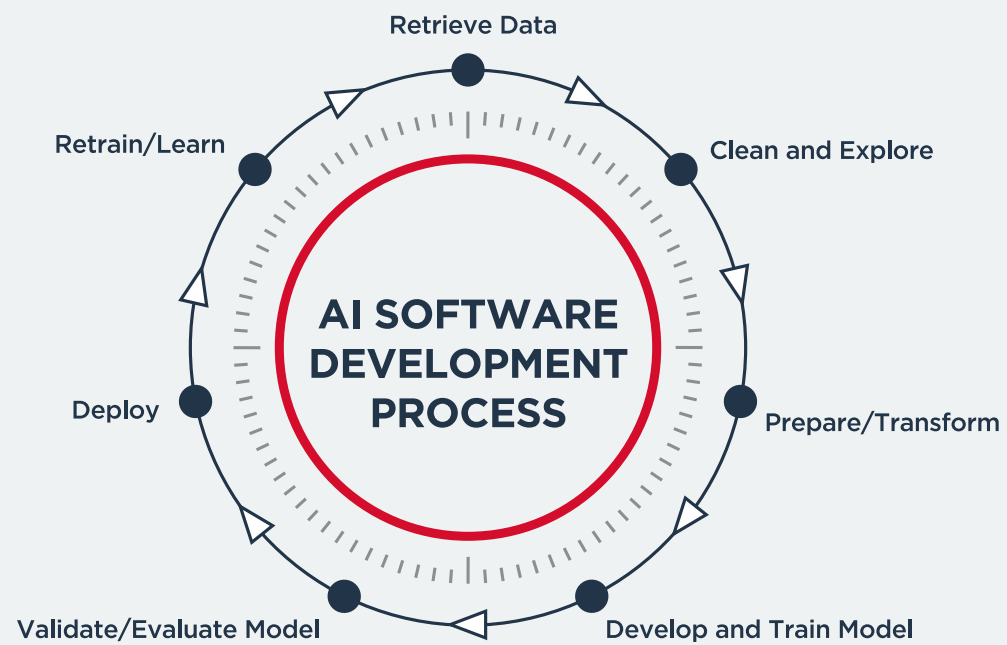
- / Security
- / IT Infrastructure
- / AI Software Solutions
- / Datacenter Solutions
- / R&D and Analytics
- / Future Developments
- / Double Maintenance Teams
- / New Verticals

Innovative Solutions

BESPOKE END-TO-END SOLUTIONS FOR THE DIGITAL BUSINESS

Delivering the highest levels of excellence in service and AI engineering that our customers over the past 20 years have come to be accustomed to.

With fully integrated solutions and in-country Senior QA engineers, DevOps engineers, full-stack engineers, project managers, AI data scientists, and AI product managers—MVP Tech is powerfully equipped to support and enable you through your digital transformation initiatives.



LOCAL EXPERTISE AT WORLDWIDE SCALE

Local Expertise, Global Knowledge. Unlike most companies in the industry, our AI team is in-house. As a Convergent Company, we now have access to global knowledge that can be executed with local precision.

This means we not just understand the intricacies of the MENA region, but we are able to respond and innovate in real time.

PROFESSIONAL SUPPORT WHEN AND AS YOU NEED IT

We are proud of our ability to offer professional on-the-ground support when and as you need it. With our vast global footprint and localized knowledge, we are truly your 'Glocal' partner—providing the most informed, transformative digital solutions and local expertise at a worldwide scale. Our team is made up of over 200 valued employees, highly skilled and continually trained in the latest products, technologies, and regulations, they are the key driver and differentiator of our business.

Global Reach

- / Single point of contact
- / Global pool of expertise
- / Global contract and billing
- / Worldwide delivery
- / Standard process and procedures

Local Expertise

- / Local language, local legislation and culture
- / On-demand support
- / In-house expertise
- / Understand market

Our experienced team comprises:

- | | |
|-----------------------------|------------------------------|
| / Project Managers | / ML Engineers |
| / Product Managers | / Data Scientists |
| / UI/UX Designers | / Technical Lead |
| / Full Stack Developers | / Front-End Developers |
| / Computer Vision Engineers | / Back-End Developers |
| / DevOps Engineers | / Software Quality Assurance |

1
SINGLE POINT OF CONTACT

GLOBAL
POOL OF EXPERTISE

POWERED
BY CONVERGINT

100
YEARS COMBINED AI EXPERIENCE





OIL & GAS

AI is proving to be a cost-saving investment for the oil and gas industry. It is increasingly being used to improve various processes in the industry.

- / Automation can increase operating efficiency in remote sites while analytics can be used for data-driven decision-making
- / AI offers operational solutions for flare and flame detection, gas leak detection automatic inspection of plant pipelines, personal protective equipment detection, and facial recognition for mustering purposes



UTILITY

The global Utility and Energy industry is facing increased problems due to demand, efficiency, shifting supply and demand patterns, and a lack of analytics.

- / AI can maximize strengths and reduce flaws of power generation, distribution, and trading processes.
- / Some ways that AI is being used in utilities include: demand prediction and smart load balancing, field service optimization; energy insights, real-time customer billing; prediction, detection, and prevention of power outages and more.



BANKING

AI in Banking helps accelerate digitization in end-to-end banking and finance processes.

- / By implementing the power of data analytics, intelligent ML algorithms, and secure in-app integrations, AI applications optimize service quality to create a friendly customer experience.
- / AI applications can also reduce error rates by employees, make better investments and help companies identify and combat false transactions.
- / AI applications in Banking include: AI-enabled Cyber Security and Fraud detection, Loan Defaulters, Document compliance, Customer churn prediction and personalised marketing.



RETAIL

AI in retail is a powerful tool that can help retailers stand out and remain competitive.

- / Helps to improve customer experiences, maintain a resilient supply chain, and hire a more motivated workforce.
- / Demand forecasting, personalized marketing, customer segmentation, price prediction, in-store optimization, inventory management, customer behaviour analysis and more.



AVIATION

The application of AI enables more accurate predictions, improves decision making and offers sophisticated tools to improve productivity

- / Enhance the use of scarce resources (e.g., airspace, runways), and increase human performance.
- / Recommendation engines and predictive maintenance
- / AI-enabled Cyber Security, Fraud Detection and Safety applications



MANUFACTURING

Manufacturers can use AI to improve operational efficiency, increase safety, and launch new products.

- / AI offers a less costly alternative by enabling manufacturers to use their existing software to analyze data.
- / PPE detection, demand forecasting, predictive maintenance, operations and production optimization, supply chain optimization are some of the ways AI is used in manufacturing.



TRANSPORTATION

AI-based solutions are an integral part of modern transportation that is heavily reliant on its innovative features for staying competitive in today's market.

- / AI technology in transportation is helping the industry to enhance safety, reduce unexpected accidents, reduce traffic, carbon emissions, and also lower complete financial expenses.
- / AI increases productivity, automation level, and overall excel sales indicators.
- / Introduces automation solutions and helps them to better control their financial expenses.



DEFENCE AND SECURITY

AI offers many innovative and smart solutions emerging to address pressing security challenges.

- / Machine learning, data analysis and other AI-based approaches can offer more efficient solutions than traditional methods, and help smaller companies to achieve levels of operational efficiency usually only seen in large corporations.
- / Computer vision applications for security purposes include face detection, recognition and alerting; object tracking; intrusion detection; and automatic number plate recognition (ANPR).



TELECOMMUNICATIONS

AI has been essential for telecom companies in their digital transformation strategies as it helps address various key challenges and will help keep future-proof their operations.

- / Operational solutions include hardware predictive maintenance, mobile-tower inspection, and fraud detection and prevention
- / Customer-facing solutions include personalized marketing, customer segmentation, customer churn prediction, conversation/actionable chatbots.

Industries and Applications
**WE BUILD AI SOLUTIONS
 ACROSS INDUSTRIES
 AND THROUGHOUT
 THE VALUE CHAIN**



PROCESSES AND PROCEDURES

The Difference Between AI and Normal IT

In a typical IT project, relatively simple sets of data are analyzed by a human, who on this basis arranges appropriate algorithms.

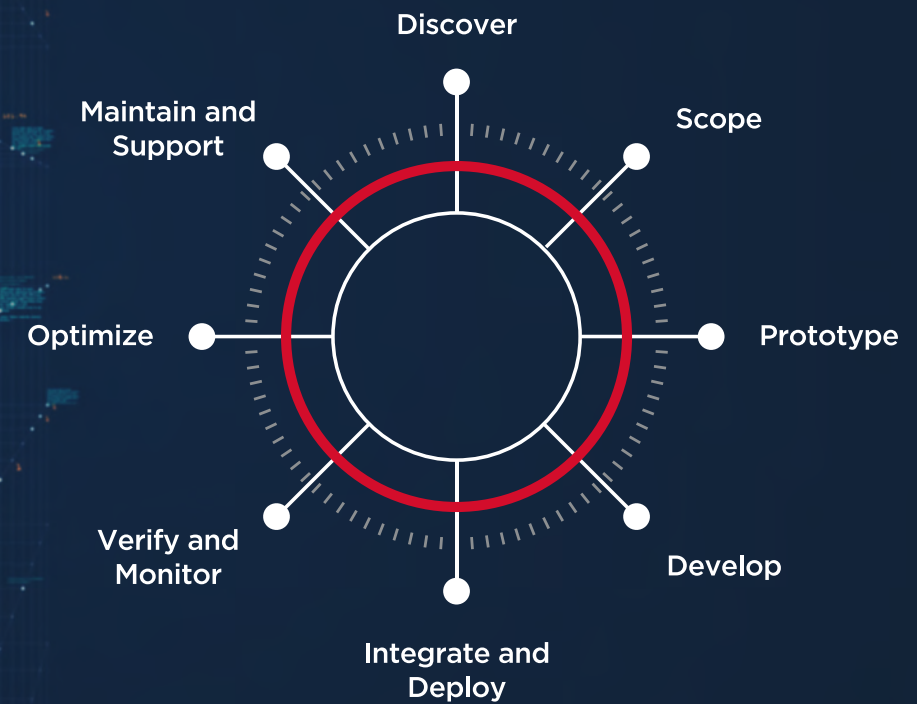
Unlike traditional application development, AI development process is a bottom-up approach where AI draws conclusions from its own rules and processes of working with an extensive data set, where data plays a crucial role in the solution-building process.



Project Management Expertise and an Agile Way of Working

Our team of Project Managers have advanced knowledge about the latest and proven PM tools and platforms, including Jira, Confluence, MS Project, Figma, and GitHub. They also follow all industry-accepted PM best practices, methodologies, and frameworks that enable them to effectively lead every project to its successful conclusion.

Effective sprint planning, regular sprint reviews, retrospectives, and daily scrum meetings enable all team members to collaborate seamlessly, communicate effectively, and ensure that every deliverable meets our customer's expectations with regard to timeliness, scope, cost, and quality.



Our process always starts with empathy, and is supported by our optimization circuit. This means that we first gain clarity on our customer's pain points before developing a strategy to deliver a seamless and scalable solution that is constantly evaluated and monitored, ensuring manageable value is brought to each and every project.



PROCESSES AND PROCEDURES

AI Software Development

Deploying AI requires a methodical approach built on a foundation of trusted data. At MVP Tech we use our optimization circuit to continuously create better and more effective AI solutions that help drive efficiencies within various business processes.

- Machine Learning
- Computer Vision
- Deep Learning

Technologies We Use

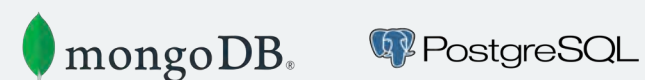
Front-End Technologies



Back-End Technologies



Databases



Customer Success Stories

AI APPLICATIONS IN OIL AND GAS

Smart Vessel Solution using AI and Computer Vision

Business Challenge

The buoyant oil and gas industry is undergoing a period of rapid volatility and growth. But expanding exploration interests and addressing supply-demand imbalances required a novel solution that could improve existing offshore support systems on sea-bound vessels. The systems currently in play lacked access to real-time data, greatly hampering their efforts to streamline vessel operations, improve surveillance and communication, and overcome safety issues. Without real-time data, the accident-prone vessels were subject to indiscernible weather patterns, poor situational awareness, and ineffective crew monitoring. All these challenges limited the operating capabilities of firms in the oil and gas industry.

Our Solution

Combining artificial intelligence, machine learning, and intelligent surveillance, we developed a custom AI analytics software that could continuously scan and detect key events using properly placed cameras, generate audio warnings via audio network speakers, and relay visual alarms on the monitors in the captain's bridge.

The novel safety solution also impacted several other aspects of the vessel's operation. It improved surveillance of restricted areas and exit points, ensured strict implementation of all HSE and PPE rules and regulations, and helped analyse sea conditions to create an ideal vessel operating environment.

Apart from these applications, the AI-powered solution could also detect slip-and-fall actions, improve navigation visibility, and aid in the immediate mitigation of man-overboard events.





Customer Success Stories

AI APPLICATIONS IN OIL AND GAS

Advanced Video Content Analysis application for Flare Detection

Business Challenge

Flare stacks are critical safety devices employed in the oil and gas industry to burn off dangerous hydrocarbon pollutants and prevent them from entering the atmosphere. Environmental regulations in many countries mandate continuous monitoring of the stack's flame to verify combustion, reduce smoke, increase flame efficiency, minimize unburnt pollutants, and raise an alarm in case of emergencies. But the current systems of monitoring are woefully inadequate for the challenging environmental conditions many petrochemical facilities are located in. Desert regions present various challenges for effective flare detection and monitoring such as low visibility due to dust storms. Moreover, they're not equipped for continuous monitoring during the day as well as the night. Without an efficient monitoring system, oil and gas companies face the risk of breaching environmental regulations and that of excessive pollution in the surrounding regions.

Our Solution

Our in-house experts designed a novel AI-powered solution that bundled multiple hardware and software platforms into an agile solution with low processing demands. Crisp imaging from the detection sensor ensured high-quality images that the embedded AI-based video content analysis (VCA) software could work with. The AI-VCA software application could detect multiple flames accurately at a large distance 24/7 with a very low false positive rate. The solution, integrated within the existing security and surveillance ecosystem, was built to function perfectly in extreme environments without any compromise on accuracy.



Since our foundation in 2003, our founders sought to change the perception of system integration providers, by creating a company with a different approach and a strong engineering focus at its core. As a Convergent company, we are now part of a global systems integrator provider focused on delivering results for our clients in the MENA region through unparalleled service excellence, allowing us to expand our engineering-driven philosophy and to further elevate our service capabilities for the benefits of our clients.

We are engineering Driven. We are MVP Tech

For more information on how MVP Tech is driving the future of AI, Security, IT critical infrastructure and Data Centres, please contact us.

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