Redyoi's Product Portfolio

Red Yoi

Empowering Innovation

Engineering Excellence Meets Digital Innovation

- Driving project efficiency and sustainability through advanced technology.

- Your partner in navigating the complexities of modern engineering projects.

- Innovating for a smarter, safer, and more connected future.

Company Overview

S4 (Smart Safety & Security)

Console (Data Analytics)

AWP (Digital Advance Work Package)

Digital Work Permits

Digital Twin

BIM Solutions

Tracking the Assets using QR Code

Features

- We specialize in delivering comprehensive digital solutions tailored to the construction and infrastructure industries.

- Committed to delivering measurable value and driving digital transformation for our clients.

- Our integrated approach ensures seamless data flow and enhanced collaboration across all project phases.

Smart Safety & Security Solution (S4)

Elevate project safety and operational efficiency with the S4 Solution — a revolutionary platform designed to deliver 24/7 real-time visibility into workforce, assets, equipment, field operation and progress. By seamlessly merging IoT-powered monitoring with AI-driven insights, S4 empowers organizations to achieve proactive compliance with safety protocols and environmental standards, while optimizing workflows for unparalleled performance.

Key Features of the S4 Solution:

Real-Time Visibility : Gain comprehensive, up-to-the-minute insights into every aspect of your operations, ensuring you always have a clear picture of what's happening on the ground.

IoT-Powered Monitoring : Leverage advanced sensors and connected devices to track assets, equipment, and personnel in real time, reducing downtime and enhancing resource utilization.

AI-Driven Insights : Harness the power of artificial intelligence to analyse data, predict potential issues, and provide actionable recommendations for continuous improvement.

Proactive Compliance : Stay ahead of regulatory requirements by automatically monitoring adherence to safety protocols and environmental standards, minimizing risks and liabilities.

Workflow Optimization : Streamline processes and workflows through intelligent automation, enabling faster decision-making and increased productivity.
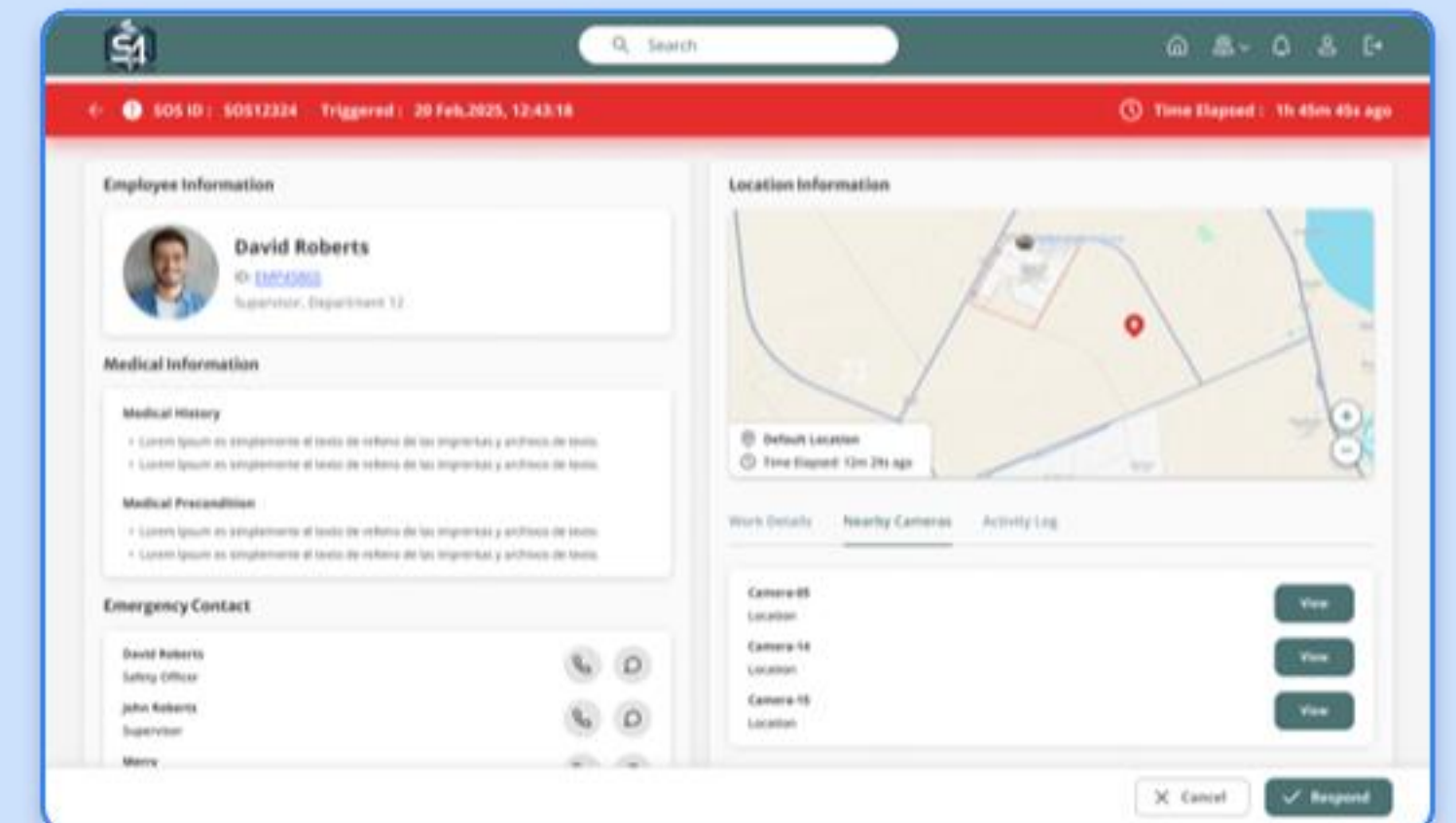
Features

- Proactive risk mitigation through intelligent surveillance and environmental analysis.

- Enhancing workplace safety by predicting potential hazards and enabling rapid response.

- Customizable alert systems and comprehensive reporting for compliance and audit trails.

Manpower Dashboard

SOS Alert Page

AI-Powered Real-Time Insights for Proactive Safety & Efficiency

Introducing a paradigm shift in Projects and Operation Safety: Our revolutionary AI-driven CCTV solution redefines security by seamlessly merging cutting-edge artificial intelligence with advanced video analytics. This transformative system transcends traditional surveillance, delivering unparalleled capabilities that empower you to proactively safeguard your people, assets, and operations.

Engineered for the Future of Security: Designed with inherent scalability and adaptability, our solution provides a robust foundation for businesses to fortify critical infrastructure, significantly enhance workforce safety, and maintain unwavering resilience in the face of dynamic challenges.

Experience the intelligent edge of security: Where every frame is analysed, every potential threat is identified, and every decision is informed. Welcome to the future of security – where intelligence meets vigilance.

AI analytics

Smoke And Fire Detection

Smoke and Fire Detection by Software helps to prevent fires and, subsequently, avoid victims, loss of health and property.

Sabotage Detection

Sabotage Detection by Software helps to minimize the time of inoperability of the video surveillance cameras due to CCTV camera malfunction.

License Plate Recognition

License Plate Recognition AI module used to automate the control of access of vehicles to a restricted territory through checkpoints, as well as to monitor and calculate traffic on the highway

Safe & Unsafe Acts

AI intelligently monitors your environment in real-time, ensuring safe behaviors by verifying permits, checking PPE, and predicting equipment issues. It also spots unsafe act risks, from proximity violations to unauthorized entries, giving supervisors the power to prevent incidents instantly.
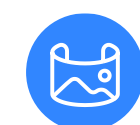
Fall Detection

Fall Detection by Software notifies about fallen individuals, enabling operators to swiftly assess and ensure safety.

Abandoned Object Detection

Object Detection in Software helps to prevent terrorist attacks, to eliminate the threat to life and health of visitors / customers / guests / clients and your staff

Fisheye De Warping

Fisheye De warping by Software allows to reduce the cost of the video surveillance system the use of panoramic cameras with the wide field of view.

Hazard Zones

Leverage cutting-edge AI technology to proactively monitor and enforce safety protocols in high-risk environments. Our intelligent system ensures workers and equipment maintain a secure perimeter around hazardous areas, instantly detecting unauthorized entry or unsafe proximity.

Face Detection

Face Detection by Software helps to minimize property loss, to avoid threats to life and health of staff.

Emergency Vehicle Detection

Emergency Vehicle Detection module allows you to determine the presence of special vehicle (ambulance, fire aid, police) in real time in specified areas.

Loud Sound Detection

Loud Sound Detection by Software helps to respond promptly to force majeure events accompanied by loud sounds.

Confined Space Entry

Harness the power of AI analytics to revolutionize safety and productivity in confined space operations. Our advanced system delivers real-time insights into environmental conditions, worker activity, and equipment performance, enabling teams to mitigate risks instantly and optimize workflows.

Density Heat Map

Traffic Density Heat Map by Software helps to increase the economic return of the commercial or office space use.

Uniform Detection

The Uniform Detection allows you to minimize the level of industrial injuries and employees' mortality due to violation of safety regulations by the employees.

People Counting

People Counting by Software allows you to determine the number of visitors to calculate the total traffic, analyze attendance by months, days of the week and hours, to calculate various conversions.

iQQR : Create, Scan, Monitor, Optimize | All in One Swipe.

Step into the future of asset management with REDYOI's innovative QR code technology; Effortlessly monitor your entire fleet of vehicles, mobile equipment, and critical resources with unparalleled ease. A simple scan is all it takes to gain instant, real-time intelligence directly on your smartphone.
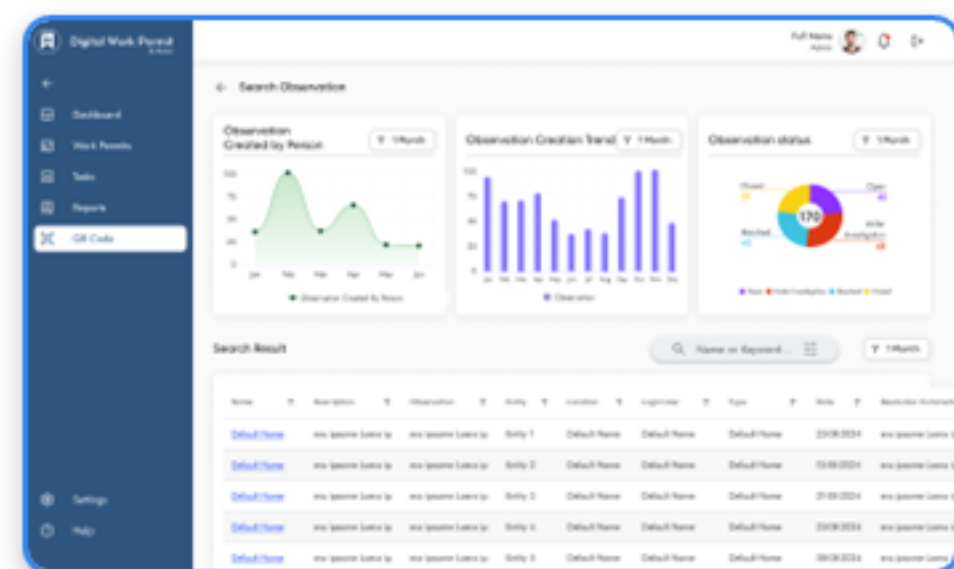
Empower your operations with immediate insights: Access up-to-the-minute location data, comprehensive maintenance logs, and crucial status reports anytime, anywhere. Say goodbye to outdated manual tracking and embrace a streamlined, digital approach.

Simplify complexity and optimize efficiency: REDYOI eliminates the burden of manual record-keeping. Track asset utilization, manage repairs proactively, and ensure regulatory compliance with a single, intuitive scan.
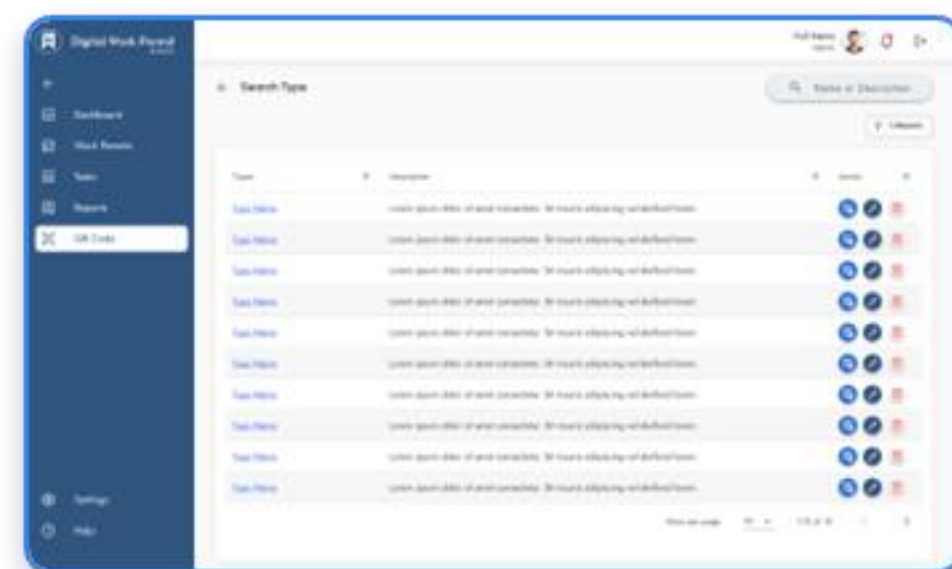
Drive down costs and maximize asset value: By providing real-time visibility and simplifying management, REDYOI directly contributes to your bottom line. Minimize downtime, deter theft, and extend the lifespan of your valuable assets, ensuring a significant return on investment.
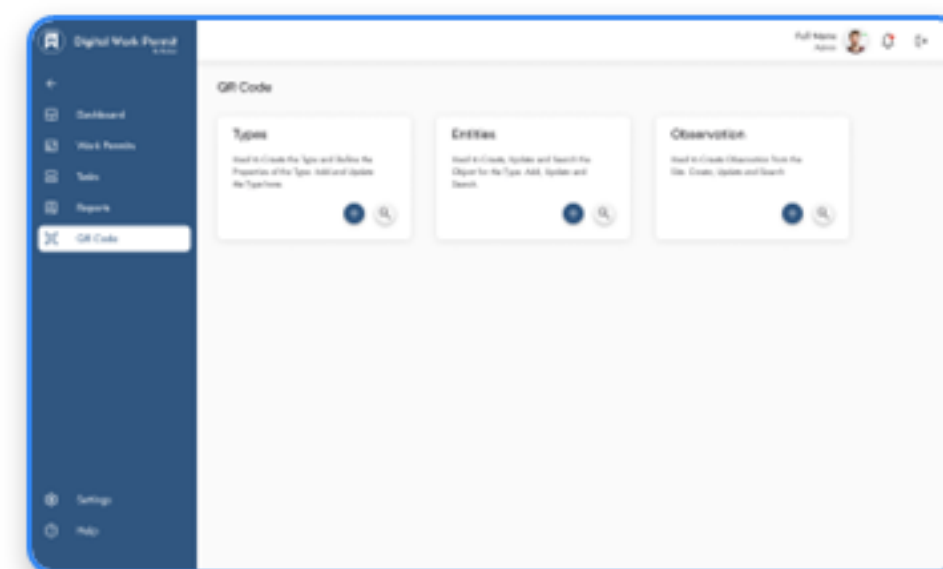
Intuitive Interface

QR Code Dashboard

Search QR type

QR Code

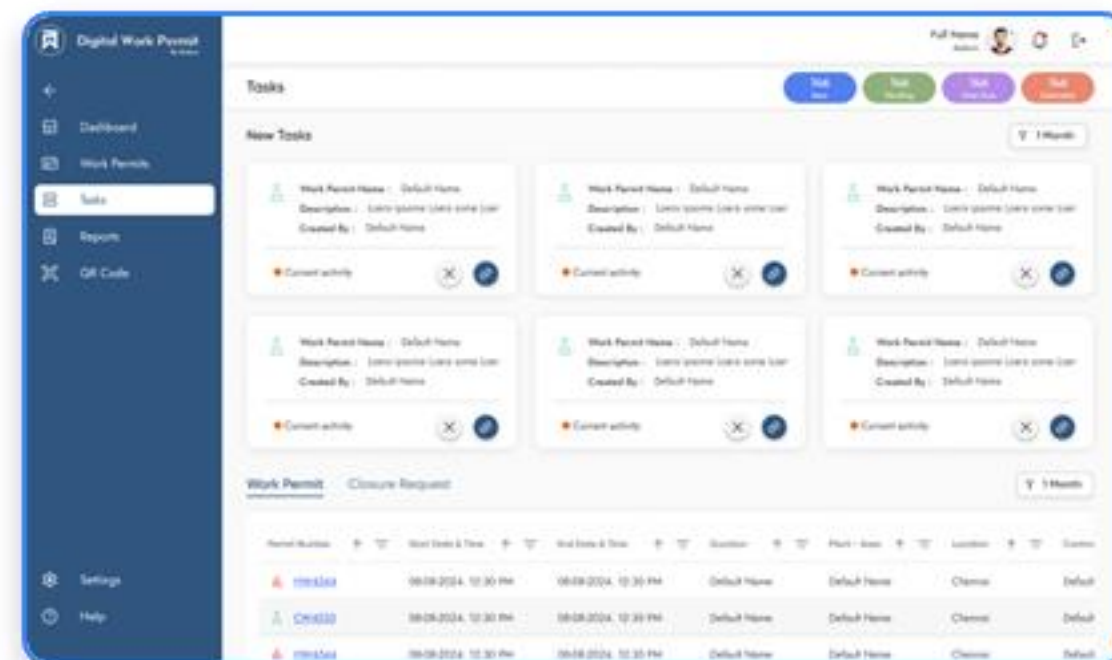# Digital Work Permit : Revolutionizing Safety and Efficiency

Digital Work Permits are the game-changing solution designed to revolutionize traditional paper-based systems. By embracing digitization, organizations can streamline workflows, automate processes, and enhance security, all while boosting productivity and ensuring compliance with safety standards. This innovative approach minimizes delays, reduces errors, and empowers businesses to operate more efficiently and confidently in today's fast-paced environment.

Intuitive Interface

Dashboard

Task Page

Key Benefits

Improved safety compliance

Enhances safety compliance by providing real-time monitoring of permits and ensuring workers follow safety protocols before beginning tasks.

Enhanced efficiency and reduced paperwork

Work Permit Solution streamlines approval processes, boosting efficiency by automating workflows and minimizing manual paperwork, leading to faster approvals and reduced administrative overhead.

Real-time tracking of work permits

Real-time tracking and management of work permits, ensuring compliance and operational safety. It streamlines the permit issuance process, allowing for instant status updates and notifications.
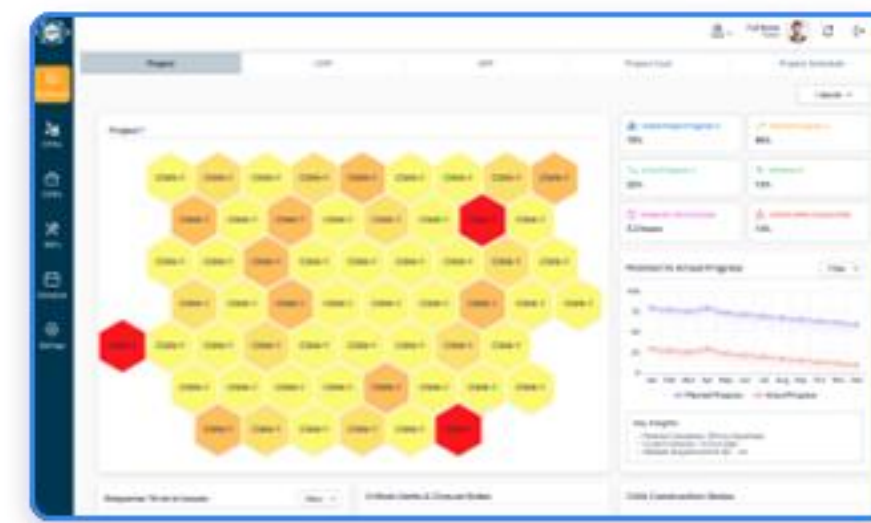
Reporting and Analytics

Digital Work Permits Reporting and Analytics provide real-time insights into permit status, safety compliance, and operational efficiency, enabling informed decision-making.

Digital Advanced Work Packaging (AWP)

Building on the proven principles of Advanced Work Packaging (AWP), which strategically aligns Engineering, Procurement, and Construction activities through well-defined work packages to drive project success, digitizing AWP represents a transformative leap forward. By embedding this powerful methodology within cutting-edge digital ecosystems, organizations can unlock unprecedented efficiency and control. This strategic integration not only streamlines project execution but also empowers real-time progress monitoring and decision-making, delivering unparalleled capabilities for managing complex projects with precision and agility.

CWP Dashboard   **AWP Dashboard**   **Project Cost Dashboard**   **Project Schedule**

Features

Data-Driven Planning

Utilize real-time data to accurately define and sequence Work Packages.

Integrated Platforms

Leverage shared digital environments for design, procurement, and construction.

Real-Time Progress Monitoring

Track performance metrics instantly, enabling proactive decision-making.
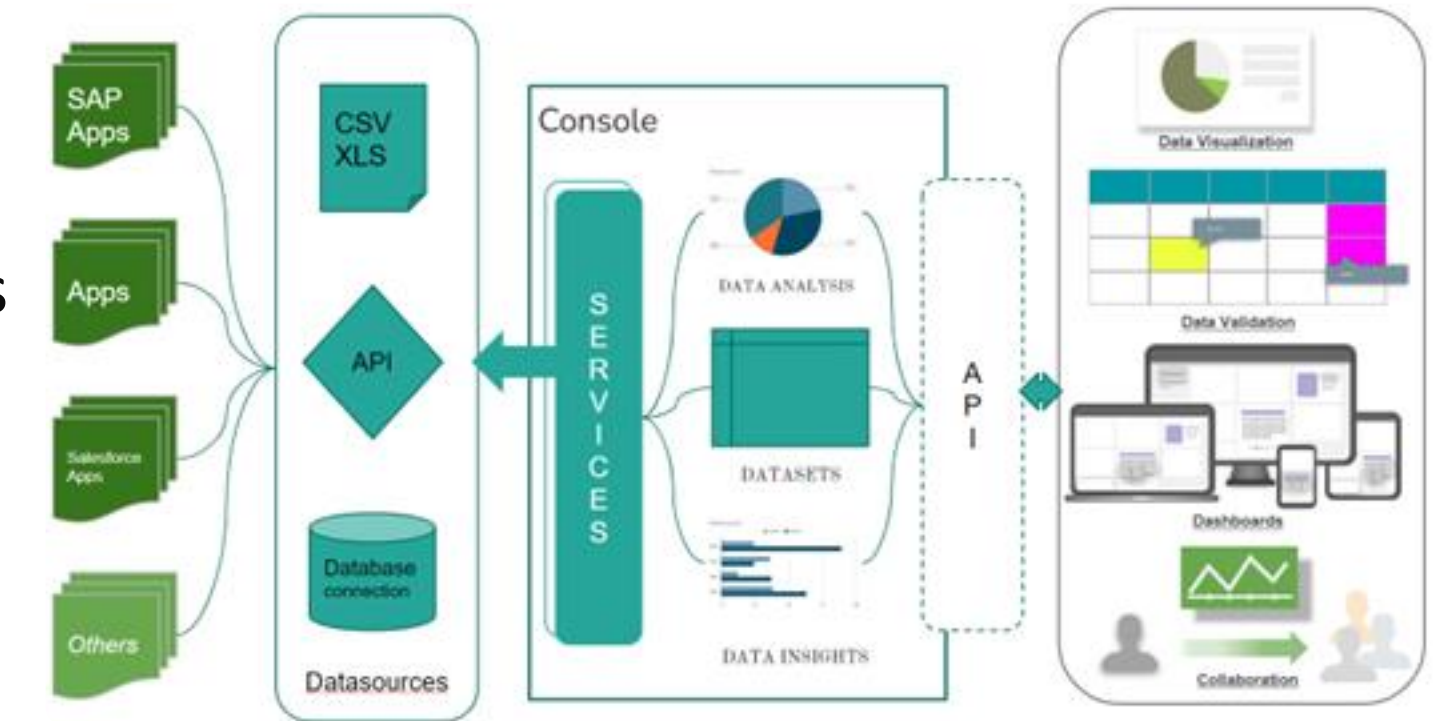
Predictive Insights

Analyze data trends to forecast potential issues and optimize resource allocation.

Console – Unified Data Platform

Ensuring the integrity, consistency, and quality of projects hinges on meticulously validating data handovers from multiple Engineering, Procurement, and Construction (EPC) contractors as well as internal departments. This critical process safeguards project success by maintaining accuracy, reducing errors, and fostering seamless collaboration across all stakeholders.

Case Study (ADNOC)

- ADNOC, a global leader in the energy sector, faced significant challenges in managing complex projects involving multiple contractors and internal teams. Traditional methods of data handovers were inefficient, prone to errors, and lacked transparency, leading to delays and inconsistencies

- ADNOC adopted an advanced digital platform designed to validate and manage data handovers from multiple sources. The system integrated seamlessly with existing workflows, providing real-time visibility into project progress and enabling proactive issue resolution. By digitizing critical processes, ADNOC was able to: Enhance Data Accuracy, Improve Collaboration, Boost Efficiency, Ensure Compliance enabling the ADNOC to Increase Productivity, Improve Quality, Reduce project and operational cost.

Features

- Centralized data management for real-time insights and informed decision-making.

- Automated data validation reduces errors and ensures consistent, reliable information.

- Scalable and adaptable platform designed to integrate with existing enterprise systems.
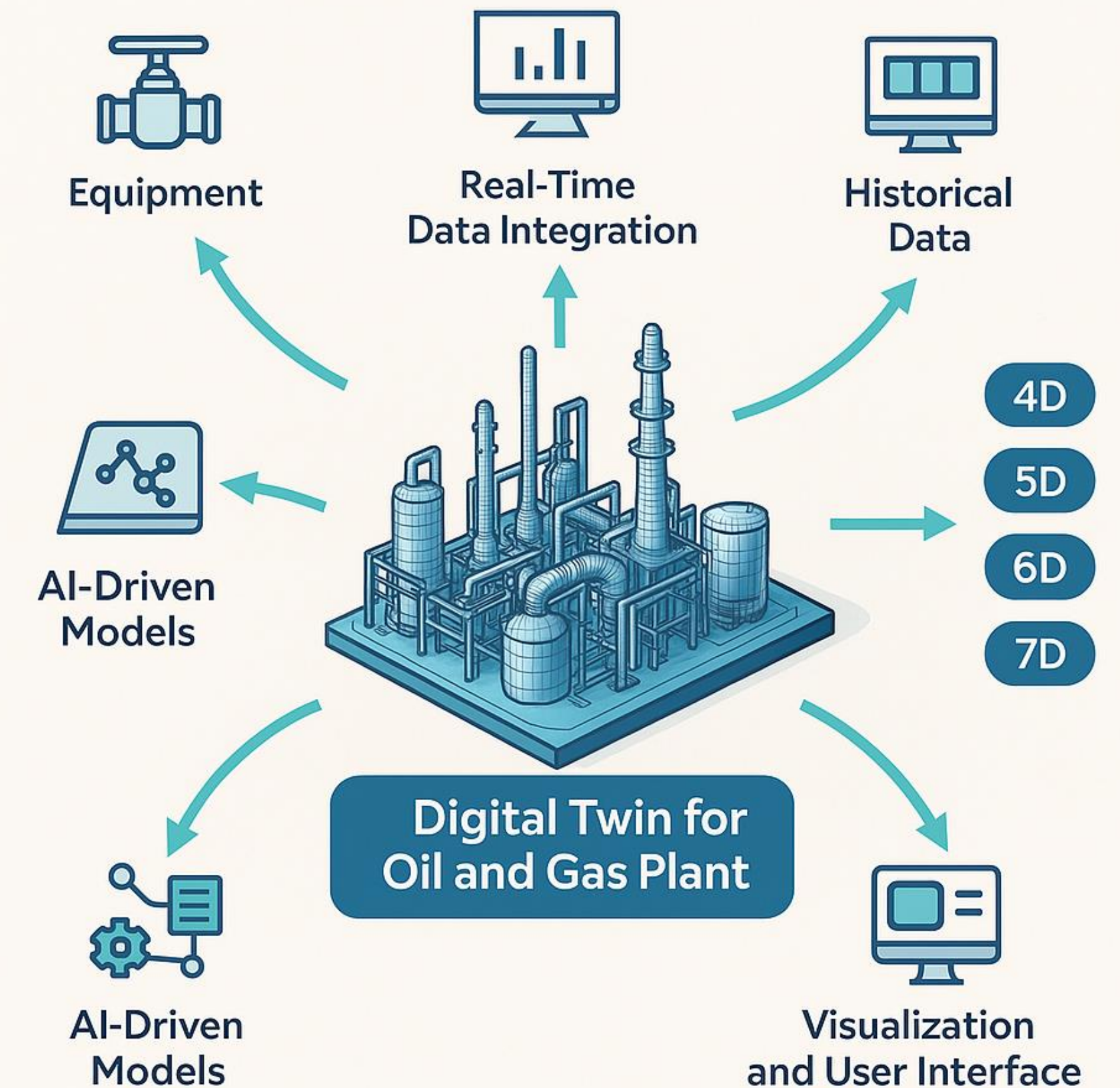
Digital Twin Solution

Digital Twin Solution are transforming the way organizations manage assets and processes by creating virtual replicas that enable real-time monitoring, optimization, and predictive maintenance. This innovative approach empowers decision-makers with actionable insights, driving efficiency and performance across industries. The evolution of Digital Twins extends beyond traditional 3D models, incorporating higher dimensions to unlock even greater value

Digital Twins are not just a technological advancement—they are a strategic tool that enhances decision-making, optimizes resources, and drives innovation across the entire asset lifecycle. From project planning to long-term operations, these virtual replicas empower organizations to achieve unprecedented levels of efficiency, sustainability, and success.
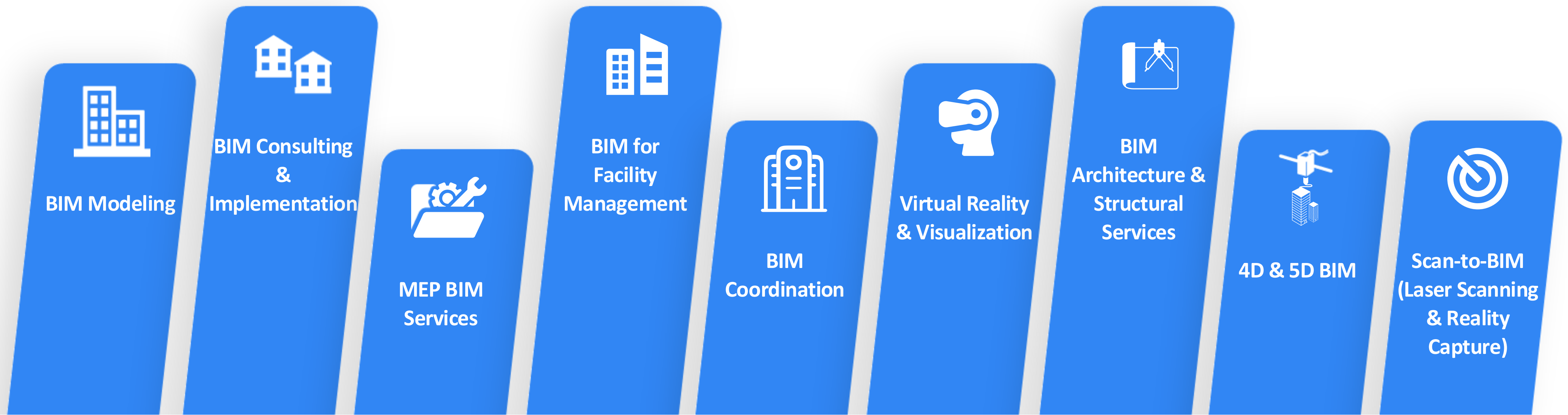
Features

- Creating virtual replicas of physical assets for enhanced monitoring and analysis.

- Enabling proactive maintenance and optimized asset performance through real-time data.

- Facilitating remote monitoring and management, reducing the need for on-site inspections.

Equipment

Real-Time Data Integration

Historical Data

AI-Driven Models

4D
5D
6D
7D

Digital Twin for Oil and Gas Plant

AI-Driven Models

Visualization and User Interface

BIM Solutions

Building Information Modeling (BIM) is more than just 3D modeling—it's a collaborative process that integrates diverse project data into a single digital environment. By leveraging BIM technology and best practices, stakeholders can streamline workflows, enhance communication, and make informed decisions throughout the entire project lifecycle.

- Comprehensive BIM solutions from initial design to long-term facility management.

- Leveraging advanced BIM workflows to improve collaboration and reduce project risks.

- Delivering sustainable and efficient building solutions through data-driven insights.

BIM Modeling

BIM Consulting & Implementation

MEP BIM Services

BIM for Facility Management

BIM Coordination

Virtual Reality & Visualization

BIM Architecture & Structural Services

4D & 5D BIM

Scan-to-BIM (Laser Scanning & Reality Capture)

Why Redyoi?

We offer a seamless and powerful integration of cutting-edge technologies: the Internet of Things (IoT), Artificial Intelligence (AI), Digitalization, and Building Information Modelling (BIM).

This is more than just technology – it's a transformation. Our holistic approach redefines every stage of your projects, from initial planning and meticulous execution to intelligent management and insightful analysis.

Experience tangible results that give you a distinct competitive advantage. By embracing our integrated solutions, your organization will unlock unprecedented levels of efficiency, accuracy, and foresight, setting you apart as an industry leader.

Features

Our expertise in integrating cutting-edge technologies delivers tangible results.

We are committed to building long-term partnerships and providing exceptional client support.

Our innovative solutions are designed to address the unique challenges of the modern industry.

Our Major Clients