Developing a Hightech Surveillace & Monitoring System for the UAE Government

Country

UAE

Domain

IT Services

CHALLENGE

The UAE government was looking to streamline their maritime surveillance and monitoring processes, gaining more visibility into commercial and non-commercial ships, vessels, cargo, and other port activities. Without a centralized command center, the client was finding it difficult to monitor day-to-day operations without total precision, to ensure every instance of regulatory violation, from a minor error to near-collision accident or a breach, can be recorded real-time and the data can be turned into actionable insights to mitigate these risks in the future.

Silwana Infotech team developed a web-based command center dashboard application that helped the client monitor every vessel and port activity, including operations, compliance, regulation, violation of rules etc.

The command center included an alert system for events impacting offshore and onshore safety and regulatory guidelines, helping shipping operators and ports reduce risk almost in real-time. The system checks, collects, compares and analyzes various data sources and makes vital information available to the concerned teams. The client could monitor specific activities, view the results over the secured network dashboard, and set thresholds to activate notifications to vessels and port authorities.

With the application, the client gained full control of data management regarding types of vessels, accidents, record tracking, regulations, and incidents of rule violation, etc.

With advance insights of events that could impact safety of crew and cargo, the teams could now take proactive measures to curb such impacts and improve support effectiveness by tapping into operations data and insights available at a click.

A Snapshot of Results

- Increased safety and regulatory compliance
- Improved communication between the government, vessel operators, and port authorities
- Increased ability to take proactive measures with advance insights
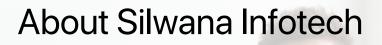- Streamlined, predictive approach to data management replacing manual or legacy methods

Ready to spark transformation in your operations with digital innovation? Let Silwana Infotech do it for you!

Get in touch with us today!

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About Silwana Infotech

Silwana Infotech is a market-leading name in global IT services. With headquarters in Dubai, UAE, development centre in India, and presence across 7+ locations, we are spearheaded by a leadership team comprising industry expert, business-technical analysts, and subject matter experts with far reaching experience of more than 2 decades.

Our comprehensive IT services range from software development, product engineering, infrastructure services, and solutions based on emerging technologies like AI, BI, IoT, Blockchain, AR-VR etc. to digital marketing, content creation and resource augmentation. Our technology products include ERP, HRMS, CRMS, and various industry-specific solutions.

As a complete IT partner for enterprises and businesses, we harness advanced technologies to conceptualize, develop, and implement innovative products and solutions that make lives easier. We are proud to be your partner in success!

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