

Smart Patrol Warehouse App

Implementation Partner: PT Itasof Pelagus Global (ITAsoft) | Customer: Multinational Company with the Largest Chlor Alkali-Vinyl Chloride Plant in Southeast Asia

ABOUT PARTNER

PT Itasof Pelagus Global (ITAsoft) is an IT solution company specializing in software and web development as well as training consultancy.

Established in 2012, ITAsoft handles various business sectors with IT as their main focus, covering industries like banking, financial services, manufacturing, oil & gas, telco and more.

CUSTOMER AT A GLANCE

The customer who is a multinational company established in 1986 with its headquarters in Jakarta.

In 1989, the company started operation as its state-of-the-art production complex in Banten province. They have the capacity to produce Caustic Soda (NaOH), Ethylene Dichloride (EDC), Vinyl Chloride Monomer (VCM), Polyvinyl Chloride (PVC), Hydrochloric Acid (HCl) and Sodium Hypochlorite (NaClO).

Today, they operate the largest chlor alkali-vinyl chloride plant in Southeast Asia with a focus on chemical and industrial markets.



Industry:
Manufacturing



Firm Size:
1,001-5,000 employees



Country:
Indonesia

CHALLENGES

The retrieval of information at the data station via patrol activities was conducted manually using paper forms.

There was no validation of information related to the user, the timing of the patrol, and the legality of the patrol processes, leading to possible inaccuracies in the data that was gathered and recorded.

The customer needed a digital solution with storage warehouse for data collection and patrol activities. This is so that they could efficiently streamline their patrol procedures, accelerate information gathering, and produce more accurate reports with pertinent graphs for data insights.

SOLUTION

A mobile-friendly **Smart Patrol Warehouse App** was built on the Joget platform to facilitate the collection, storage, and reporting of data on patrol activities with presentable visualizations and graphs.

The app was designed to streamline data entry with a digital form to capture patrol activity information, allowing the customer to create and manage their patrol activities directly from mobile devices.

The digital form was made to be intuitive and user-friendly for improved visibility and user experience, ensuring accuracy and convenience for all users, regardless of their level of technical expertise.

RESULTS

- ✓ The Smart Patrol Warehouse App serves as a portable data scanner to take pictures of station damage and register them into the data station, allowing patrol officers to quickly and accurately perform data collection while on patrol
- ✓ Incorporated a digital data warehouse into the app to store all data collected during patrol activities and present pertinent reports and graphs in a comprehensive and graphical form-factor
- ✓ Incorporated a digital patrol activity form into the app, allowing users to seamlessly create and manage their patrol activities on mobile devices from remote locations
- ✓ Significantly increased overall workflow efficiency, accuracy, speed, and patrol process satisfaction



1000+
Improvements
in portability



100%
Mobility
and agility



100%
Paper removed with
digital warehouse