



**COMPASS
DIGITVL**

**Mobilizing the
next generation
of EPC projects**

CASE STUDY

COMPASS DIGITAL HELPS CLIENT SAVE MILLIONS OF DOLLARS

Paper-based systems are notoriously slow, difficult, and costly to manage.

With a web-based and mobile solution provided by Compass Digital, completion of data in the field reduces manual administrative work both in the field and in the office. Onsite progress, and issues regarding completion, are visible in real-time, thereby helping to reduce costs, and keeping the project on schedule.

The Challenge

An old paper-based system, with a manual process, is what the workers on a massive FPSO project were dealing with in the project's final phases. The number of individual forms that needed to be prepared in the office and completed onsite exceeded 70,000. That is not considering that these forms are several pages and regularly needed to be corrected and redone.

They knew they needed a system that would provide a better way to handle all of their documentation. That's when they turned to **COMPASS DIGITAL**.

“ 70 000 check sheets to be prepared in the office and completed on site. ”



How We Helped

Our first step was to assign a project manager to the client who would administer the process of creating a customized solution. After studying the client's many forms and completion process, the project manager created process maps and proposed a customized solution based upon our CEMIC platform.

CEMIC is a completion and commissioning web-based and mobile platform that digitizes check sheets, punch management, and handover processes.

"The client did not want to change their well-thought-out workflow but saw great opportunity in letting the system dictate roles, authorities, and take benefit of all the automation that our system provides - such as digital punch list, sequential inspection for piping Test-Pack, and compulsory photo taking," explains Wietske Helle, MscEng, Product Specialist. "By understanding our client's process, we adjust CEMIC to our client's work method and ensure that all field operators are in compliance."

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*Wietske Helle
MscEng, Product Specialist*

Our solution also involved training the client so that they could administer the platform themselves. Doing this meant they had **no need for extensive IT knowledge** or a third party to administer the solution. Instead, they could simply rely on us for phone support.

Additionally, because we know that integration with previously installed hardware and software is important, we designed CEMIC **to integrate flawlessly with existing systems**. As a result, the client didn't need to make any changes to their own systems to use our platform.

"We started with the construction of a module in Singapore with 20 users," says Wietske. "After this successful experience, the client decided to adopt the solution globally. Today this client has 350 users across 4 yards in China, and Brazil."

In the initial stages of the project, we faced resistance from contractors. Only 20% were interested in using the app. Today, after experiencing its effectiveness and ease of use, 95% of the contractors want to use CEMIC for their next project.

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The Results

We helped our client optimize their workflows while generating insights that improved decision-making and cut costs.

Saved Client Millions of Dollars in Man Hours

Now that the system is automated, the time and effort involved with handling data are significantly reduced. Using CEMIC saves 45 minutes of administrative work per check sheet. With 70,000 check sheets per project, that amounts to 50,000 man hours. That is not taking into consideration that rejected forms can be automatically reissued and are editable on the tablet.

Real-Time Dashboard Helped Client Gain Insight About the Project's Status

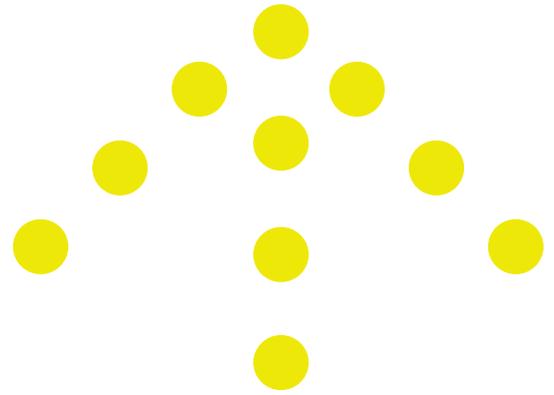
Work is mainly carried out offline. However, as soon as the data is synced wirelessly when Wi-Fi is available, the Project Manager has constant access to information about what is happening in the field through the customizable dashboard. By analyzing the data, our client could see that the load out of a module occurred when only 60% of the check sheets were completed. Knowing that offshore work is costly, the construction manager improved the inspection practice. On the following project, 99% of the check sheets were completed at time of sail-away.

Improved Compliance

A digital solution provides a detailed history of who did what and when. This type of auditing record helps the client stay in compliance. Additionally, building rules in CEMIC such as mandatory fields and compulsory photo taking of onsite activities increase the accountability of employees and contractors.

Helped Create a Forward-Thinking Company

Digital handover on tablets in the field demonstrates that the company is leveraging technology in a forward-thinking way.



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COMPASS DIGITAL



Who We Are

Specializing in the project delivery and industrial environment, Compass Digital offers mobile and web solutions that improve the clarity and timeliness of the information coming from the field. CEMIC is our customizable, web-based mobile application that provides off-line completion, commissioning, defect management, and handover management capabilities.

Contact us to learn more:
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