



API Visual Inspection Transformation: Managing Critical Equipment Integrity with FacilityCORE

AT A GLANCE

Customer: Global Supermajor Oil and Gas Company

Product Used: FacilityCORE

SUMMARY

- A global supermajor oil and gas company was looking at ways to efficiently collect inspection data from various vendors
- Enabling their RBI program required a consistent, standardized inspection data and workflow process
- The company sees opportunity for streamlining the inspection data collection process by leveraging the FacilityCORE platform

A global supermajor oil and gas company aims to transition to risk-based inspection (RBI) for their critical equipment at their upstream sites. To do so, they needed to overcome a number of challenges in their inspection workflow processes, such as handling large volumes of complex data types, monitoring inspection project status, increasing inspection efficiency and rectifying a lack of standardization across vendors. The initial step was to digitalize and standardize API visual inspection. By moving to the FacilityCORE platform, they were able to accomplish this initial step, and realize a 50% time savings in reporting for this type of inspection.

CHALLENGES

There is no substitute for good, real-time inspection data. While the global organization's inspectors were able to collect solid data in the field, getting that large volume of information to the correct stakeholders in a timely manner—and converting it into actionable insights to manage risk—was a trickier proposition.

One factor was file size: large video files are a nightmare for anyone who has ever tried to transfer them. Unless internal file-sharing systems were specifically set up to deal with large files, teams were left with a few options: chop up, email and reassemble the files, or use temporary links to internal file-sharing systems. The former was incredibly labor intensive, and the latter meant that finding the files in the future could be difficult. Neither was a good solution. There was also risk of loss of data as files were being transferred through various internal systems.

Another inhibitor was the turnaround between the actual completion of an inspection and the report being delivered to the correct stakeholder for decision making.



In general, the time-consuming tasks necessary to move files around and complete reports—or parse the reports from multiple vendors using different formats—created a greater and greater lag time between the completion of an inspection and the decision to take action, even with everyone working their fastest. Additionally, the time spent on clerical duties like transcribing findings and moving files around was time away from inspecting, tying up more non-productive hours for each report.

Finally, vendors and internal teams used different checklists and methods of gathering information. There was no standardization of forms, and different vendors used different collection tools, often with proprietary formats which both tied the company to specific vendors and exacerbated other challenges.

THE SOLUTION: FACILITYCORE

By using FacilityCORE as a layer between their inspection providers (both internal and external) and their system of record, this global supermajor's team is able to improve their overall operational efficiency for visual API inspection.

FacilityCORE's platform handles large files with ease, collating and codifying them into the necessary format. No longer do files sit in multiple emails or in time-limited, awkward to-navigate file sharing systems. Instead, all inspection data can be easily recalled when needed for the initial report or later clarification. This means reports—and the original data—are easily shared between stakeholders. This, along with both internal and external teams using the same digital workflows (including different contractors year-to-year) ensures that everyone is working off the same information.

FacilityCORE's ease-of-use means that little to no training is required, with teams up to speed in an hour at most. In fact, these teams are now able to track activities of teams in the field, and inspections come in the same day because the need for "back-at-the-office" clerical duties are significantly lower.

Regardless of who was completing the inspection, uniform data was fed back to the team because of FacilityCORE's digitized workflow. Teams worked with stakeholders to design the necessary digital checklists, meaning any team, internal or external, could complete an inspection and the correct information would be reliably produced.



**TIME SPENT ON
CLERICAL DUTIES
REDUCED BY 50%,
LOWERING INSPECTION
COSTS BY AROUND 12.5%
PER INSPECTION.**

THE RESULTS

This supermajor oil and gas company's teams were able to reduce the time spent on clerical duties by 50%, which in turn lowered API visual inspections costs by around 12.5% per inspection. Reports came in faster, and the files were easily managed. Furthermore, digital reporting has unlocked the potential for data analytics to enhance their integrity program

**50%
TIME SAVINGS
WITH
FACILITYCORE**

WANT TO LEARN HOW FACILITYCORE CAN SUPPORT YOUR INSPECTION PROGRAM?

FacilityCORE connects field inspection data collection, reporting, compliance and decision-making in one platform. Standardize API 510, 570 and 653 inspection workflows across internal teams and vendors, get reports to stakeholders faster, and build the data foundation for a risk-based inspection program.

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