

HOW TO GUIDE

PUT YOUR DATA TO WORK ON YOUR CONSTRUCTION SITE

7 steps towards optimal asset performance



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INTRO

LET YOUR DATA DO THE WORK

Optimal asset performance is a key success factor on your construction site. You have access to plenty of data to ensure everything runs smoothly.

But in reality, leveraging the data and transforming them into smart actions is hard. With this step-by-step plan, we guide you to make the most of your data and drive the outcomes you want to achieve.



DRIVE
PERFORMANCE



SAVE
COSTS



SAVE
TIME



ALIGN
YOUR TEAMS



STEP 1

DEFINE YOUR SPECIFIC GOAL

The more specific, the higher chance you will reach the desired outcome. Here is what you might want to consider.

- Define what you want to achieve, how many assets you are targeting, where they are situated (one site or multiple)... Make your goal specific, measurable and achievable.
- Create an overview of the people involved in keeping the assets up and running.
- Think about the benefits you will get from improved performance:
 - Time saved
 - Cost reduction
 - Other



STEP 2

IDENTIFY KEY INSIGHTS THAT COULD AFFECT YOUR GOAL

Here are a number of questions you want to answer.

- Is tracking performance a manual task?
 - Yes
 - No. What system(s) are you using?
- Who is responsible?
 - Who is directly involved?
 - Who is a key stakeholder for any improved results?
- What are the key points of failure regarding optimal performance?
 - Identify delays in the manual process
 - Identify silos of data access in any systems
- Estimate current costs (a figure in time or money) of the impact of these failures.
- What is your current process?



STEP 3

LIST THE DATA YOU NEED ACCESS TO, AND WHERE IT LIVES

WHAT DATA

- Equipment performance
- Maintenance planning and execution data
- Work planning data
- Worker competency data
- Public data feeds
- Other

WHAT TOOLS AND SYSTEMS

- Offline or locally shared files
- Workflow systems: maintenance scheduling, project planning
- IoT Devices
- Supply Chain; contractor management
- Live Services; weather, traffic
- Corporate performance systems: purchasing, training management
- Other

STEP 4

DESIGN A WORKFLOW

Map out your ideal workflow:

- Start with the source system(s), pull the ideal data from each system and apply a rule to that data. The rule should result in a new type of action that contributes to achieving your goal.

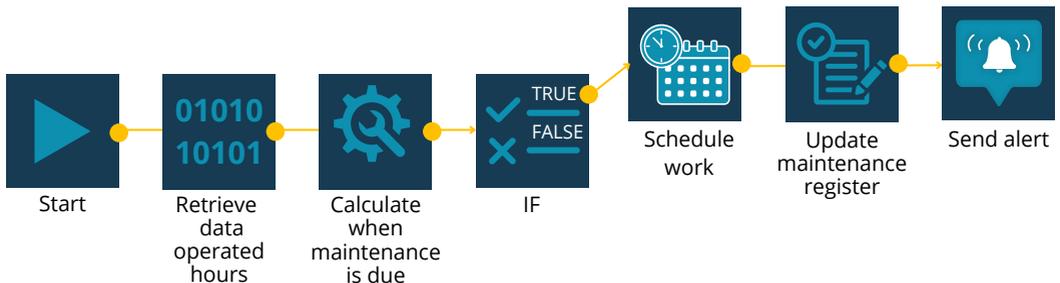
DEFINE A RULE:

IF (the data reaches a certain level),

THEN ... (action or alert you want to result from it)

- Repeat this for as many systems, standard operating procedures, and types of data that you think could make an improved workflow

Example: equipment maintenance





STEP 5

CONNECT THE DATA SOURCES AND ADD CONDITIONAL RULES

This is the tricky bit – where you might need assistance from the system owner(s) or IT.

- With each system owner/IT identify how to get the required data out, on what frequency and whose help you need.
- Define what format the data needs to be in in order to trigger the rule: number, text, ID... As an example, you might want to convert an equipment ID to a more familiar asset name.
- Think about defining an easy way to observe the actions from the workflow e.g. copying the action to a monitored email inbox, pushing a data point to a dashboard. Identify who the required IT support would be.



STEP 6

ALIGN AND EXECUTE

ALIGN WITH THE OPERATIONAL TEAMS

- Share your workflow with the operational teams involved **and rally them around the goal and plan.**
- Ask for feedback.
 - Would they change the data, the rule or the resulting action?
 - Do they have suggestions to make the workflow even more impactful?

RUN THE WORKFLOW

- Run the workflow for 3 to 5 days depending on the frequency with a small pilot team.
- Make changes if needed.
- Execute and run the workflow in real operations.



STEP 7

MONITOR THE RESULTS AND START SCALING

You've made it to the final step! Now you can assess whether the result is what you wanted it to be.

If it's not, check in with your operational teams and adapt. But if it is, start sharing the results with other in your organization and point out the benefits: team alignment around the same goal, collaboration to drive improvements, time and cost savings... Report weekly across your organization on the progress made to ensure continued alignment.

With the demonstrated goal achieved for the initial site(s) or asset(s), now think about finding other pioneers within your team or company who could also benefit.

Repeat the process above based on their goal.

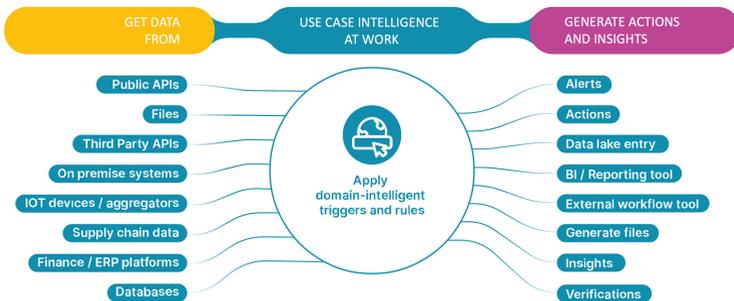
ALL SET?

Seven steps. That is all it takes to let your data do the work and achieve better asset performance, ultimately leading to time and money savings and smooth operations on your site.

You now know what data it takes to achieve your use case outcome, how to set up a workflow and who to involve.

At YuzeData, we support our customers to work through this process and deliver improved asset performance on their sites. We're here to help.

SAVE TIME AND MONEY WITH BETTER SITE EFFICIENCY



Find out more on www.yuzedata.com or contact us directly via info@yuzedata.com