EQUIPMENT INTERFACE REVIEW / ILLUSTRATIVE CASE

# Could a missing connection detail delay installation?

## The management decision

Identify the unresolved connections before committing the shutdown date. One unverified dimension or control requirement can matter more to the schedule than several routine checks.

A piece of equipment can meet its performance rating and still be difficult to install or connect to existing controls. A late discovery can delay a shutdown or lead to extra work. Reviewing the connections early gives suppliers and site teams time to resolve the questions that could hold up the installation. It also gives procurement a record of what needs to be agreed before placing an order or releasing work to the contractor.

## Worked example

Four of 16 documented connections lack the information needed for a decision. Closing three leaves one unresolved. That last connection could still determine whether installation can proceed on the planned date.

| Example figure | What it represents |
|---|---|
| **16** | Connections |
| **4** | Open at the start |
| **1** | Still open |

## What changes the answer

Two unresolved items might concern the same joint or control connection. Link them to the same source question so the project team can see what one verified answer would resolve.

# Equipment interface review

## What to commission

Review the documented connections between one proposed equipment item and its surrounding plant or controls.

We review how the new equipment meets the adjacent plant, look for conflicting figures and identify the exact detail each design owner should confirm. The comparison shows where a missing answer affects several connections.

## How to judge the result

Every significant connection is supported by a drawing, flagged as a mismatch or assigned for local or supplier verification.

Identify the decision date and cost consequence for each open item. Give priority to a mismatch that could affect the order, installation window or other equipment.

## Decision worksheet

| Project detail | Starting point for your team |
|---|---|
| **Decision owner** | Installation project manager. Name the person who will approve the next step. |
| **Records to gather** | The proposed equipment specifications and available drawings or details of current connections. |
| **Agreed output** | A shared record of connections, mismatches and decisions still to make. |
| **Decision date** | Record the deadline, any unresolved assumption and who will confirm it. |

## Discuss this case

Tell us what is being connected or replaced, which existing equipment it must work with and when the installation is planned. If you already suspect a mismatch, describe the connection in question. An outline of the proposed and existing arrangements is enough to start.

Email info@oxetc.co.uk and mention ENG-06. All figures in the worked example are illustrative.