

8 QUESTIONS · 10 MINUTES

HOW SOLID IS THE BIG PICTURE OF YOUR PROJECT?

Construction projects rarely lack information. What they lack is a shared picture that connects it. This check shows where schedule, logistics, resources and parties in your project still sit side by side instead of fitting together.

HOW IT WORKS

Answer each question for your current project and add up your points at the end.

Yes = 2 · Partly = 1 · No = 0

- 1
BIG PICTURE
- ☐ Yes 2
☐ Partly 1
☐ No 0

Is there one view that connects schedule, model, logistics and resources into a single construction process?

If the big picture only exists in the heads of a few experienced people, it can neither be tested nor passed on.

- 2
PERSPECTIVES
- ☐ Yes 2
☐ Partly 1
☐ No 0

Does knowledge of construction methods, equipment and logistics already feed into planning?

Planning, execution know-how and the owner's view only form a reliable picture together.

- 3
PLANNING → EXECUTION
- ☐ Yes 2
☐ Partly 1
☐ No 0

Can execution build on the assumptions made in planning instead of re-planning the process?

Every re-plan at handover costs time, and knowledge from planning gets lost.

- 4
PARTIES
- ☐ Yes 2
☐ Partly 1
☐ No 0

Do all parties work from the same, up-to-date view of the construction process?

Otherwise owner, planners, construction company and subcontractors make decisions on different grounds.

Where the questions come from: They are based on the eight challenges our engineers encounter most often on construction projects. You can read about them in detail in our article "8 construction challenges and their common root cause".

5	BUILDABILITY	Has anyone tested whether the process works under real conditions, with space, access routes, equipment and productivity data?	☐ Yes 2 ☐ Partly 1 ☐ No 0
A plan can be correct and still fail at a bottleneck or in a track possession that is too short.			
6	RISKS	Are the critical points of the process known and assessed before execution starts?	☐ Yes 2 ☐ Partly 1 ☐ No 0
Fixed constraints, bottlenecks and critical paths that only surface on site get expensive.			
7	TENDERING	Do plans and tender documents describe the construction process clearly enough to leave little room for interpretation?	☐ Yes 2 ☐ Partly 1 ☐ No 0
Gaps that construction companies spot at bidding stage often turn into change orders during execution.			
8	WAYS OF WORKING	Is your team open to new digital methods, and is someone responsible for introducing them?	☐ Yes 2 ☐ Partly 1 ☐ No 0
Methods only work if they fit existing processes and someone drives them forward.			

YOUR RESULT

Your total out of 16

13–16

Solid big picture

Your project is in good shape. Take a closer look at the questions where you did not score full points.

7–12

Gaps in the big picture

Some areas still sit side by side. Start with the questions you scored 0, especially buildability and risks.

0–6

High risk

Many connections are untested. It pays to test the planned construction process as a whole early on, while changes are still cheap to make.



WANT TO DISCUSS YOUR RESULT?

We will go through your answers with you and show how the open points can be resolved before construction starts.

Marlon Gilfert, COO & Head of Process Engineering
gilfert@bii-gmbh.com · +49 151 58736665