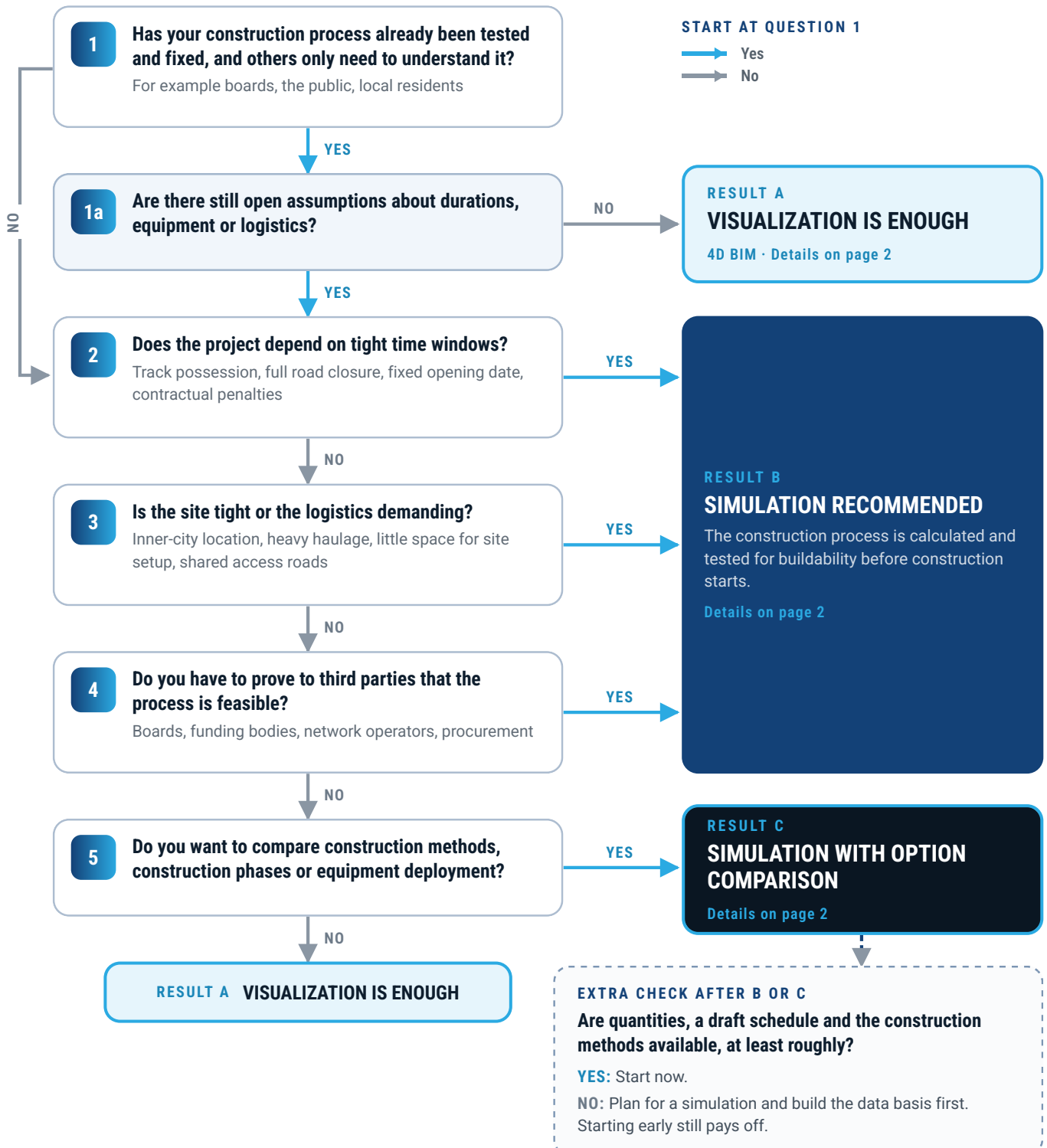


DO YOU NEED A SIMULATION, OR IS A VISUALIZATION ENOUGH?

Answer the questions for your project with yes or no. At the end, you know which service you need and what you should provide for it.



A A VISUALIZATION IS ENOUGH (4D BIM)

WHAT YOU GET

The schedule is linked to the 3D model. The planned process becomes visible step by step. This works well for explaining it to others.

WHAT YOU PROVIDE

- Schedule
- 3D model

WHAT TO WATCH FOR

The visualization shows the process but does not test it. If assumptions change, go through the questions again from question 1.

B SIMULATION RECOMMENDED

WHAT YOU GET

The process is calculated from quantities, production rates, equipment, resources and dependencies. Conflicts and bottlenecks become visible before construction starts. Buildability is tested.

WHAT YOU PROVIDE

- Schedule or draft schedule
- 3D model or drawings
- Quantities
- Planned construction methods and equipment
- Site setup and logistics concept
- Fixed constraints

WHAT TO WATCH FOR

Ask what drives the process in the model. Are durations calculated, or simply taken from the schedule?

C SIMULATION WITH OPTION COMPARISON

WHAT YOU GET

Everything in result B. In addition, several options are calculated against each other and compared by duration, bottlenecks and risks.

WHAT YOU PROVIDE

- Everything in result B
- Description of the options
- Evaluation criteria

WHAT TO WATCH FOR

Decide in advance how many options will be calculated and which criteria you will use to compare them.

FIVE QUESTIONS FOR PROVIDERS

These help you tell whether a proposal describes a simulation or a visualization.

- ☐ **Where do the activity durations come from?** Are they fixed in the schedule, or calculated from quantities and production rates?
- ☐ **What happens when an assumption changes?** Does someone have to adjust the schedule by hand, or does the model recalculate the process?
- ☐ **Are equipment, crews and space included?** Or are only the building components linked to dates?
- ☐ **Does the model detect conflicts on its own?** For example, when two activities need the same crane or an access road is still blocked.
- ☐ **Can options be calculated against each other?** And does the result show which option is faster, safer or cheaper?



WANT TO DISCUSS YOUR RESULT?

We will go through your project with you and clarify which service fits and which data you need for it.

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