

Building Bridges CREST Challenge

What do we have to do?

- Work in a team as civil engineers
- Gather information about bridges and roads
- Make decisions carefully
- Produce a proposal and site plans



What do civil engineers do?

Civil engineers shape and make the buildings and spaces we use every day. From the moment we get out of bed we are using civil engineering structures.

They make sure that:

- We have water in our homes, schools and offices
- Buildings stay standing
- We have roads to drive on
- We have bridges, and tunnels under mountains
- Land is protected from floods, erosion and many other threats



Your Challenge

- Name your company
- Decide where the bridge from Newtown to Oldsby will go, what kind of bridge it will be and what it will do
- Produce a proposal that meets all of the client's needs
- Complete a CREST Bronze profile to help you think about what you have learned



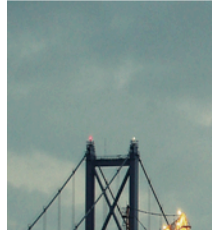
Your company's proposal needs to include:

- A site plan and a bridge plan
- A proposal document, presentation or video
- Tell us why and how you made your decisions
- Explain why your proposal is a good solution to the client's needs



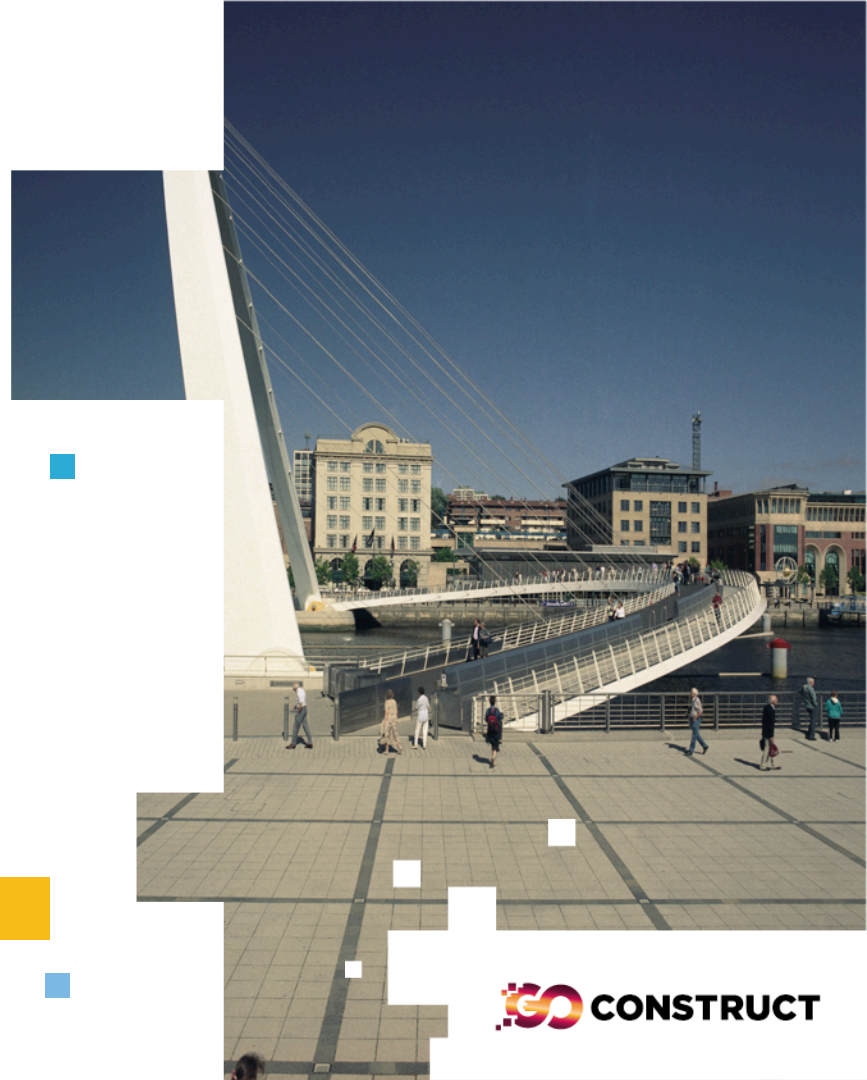
Your proposal should tell us

- Where you will place the bridge and the roads approaching it
- Type of bridge and materials to be used
- Where you will place 20,000 m² of trees
- The type(s) of trees you will plant
- What type of drainage solution you will use



Things to remember

- Your team will produce one proposal
- Every team member completes a CREST Bronze profile
- Share the work equally
- Do your research
- Ask for help when you need it
- Make the most of the experience, and enjoy it!



Thank you

