

Pipeline free span rectification

Case study: 24" subsea pipeline, Caribbean



OVERVIEW

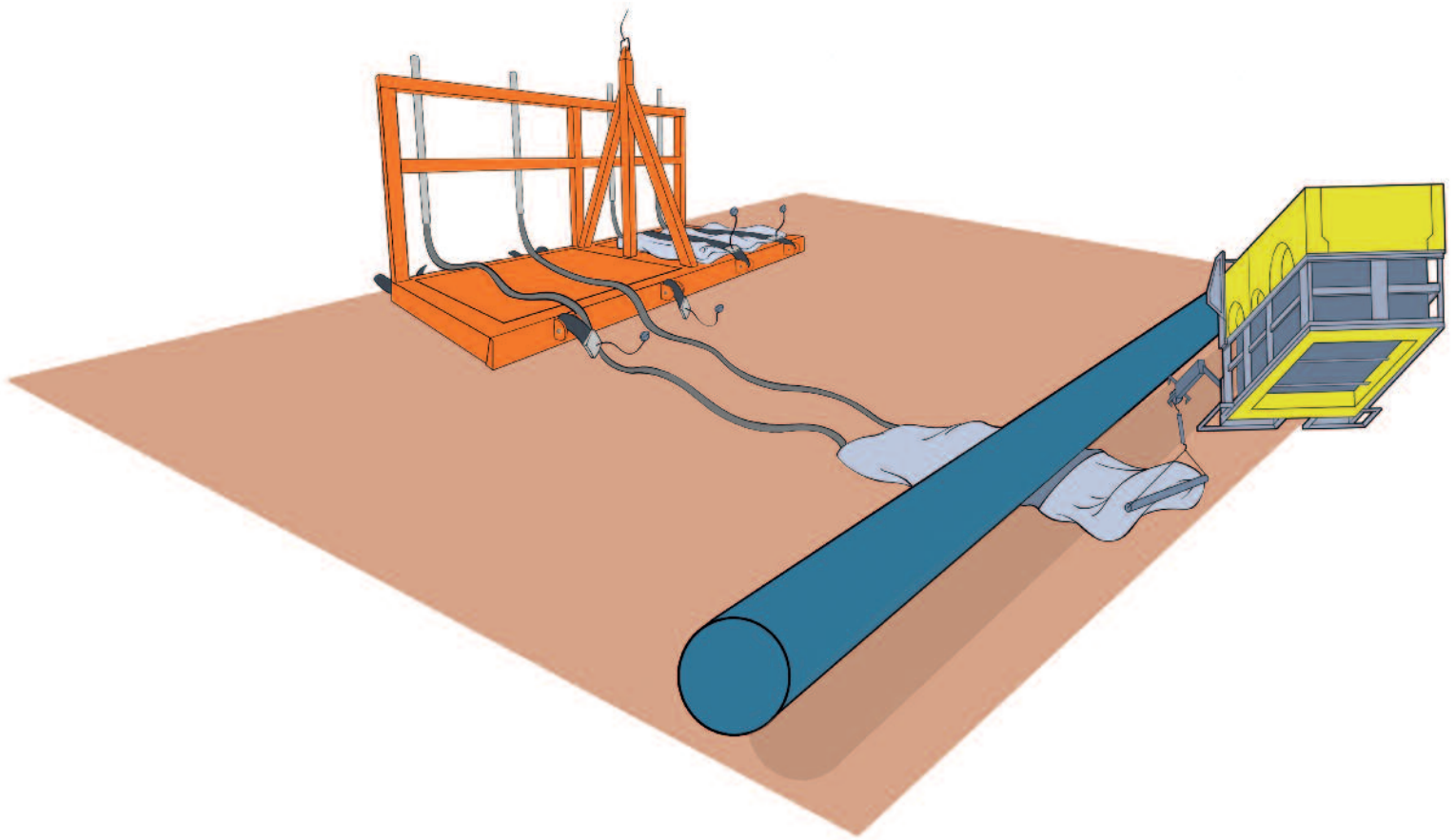
During a pipeline survey the client identified a total of 55 free spans which required rectification. Core was contacted to supply and install bespoke ROV deployable grout bags fabricated to suit the requirements of the individual free spans. Due to the remote location of the project Core provided a grout mixing unit complete with 100% online back-up ensure timely project completion.

EQUIPMENT

- OPC grouting spread
- Offshore cement silos
- Bag deployment frames
- Subsea grout connector
- Subsea grout bags.

SCOPE OF WORK

- 55 free spans to be rectified
- Water depth 120-150m.



OPERATIONS

- Grout bags were brought to the seabed on a deployment frame
- The ROV positioned the grout bag under the pipeline
- Grout hose connection was made using Core's ROV friendly hot stab connector
- Grout was mixed and pumped to the bag from the topside grout spread
- When the bag was filled the flexible tether line was cut activating the self-sealing seal on the grout bag inlet
- The frame was recovered and the vessel moved to the next location.

OUTCOME

Free spans on client's pipeline were reduced to within acceptable limits using grout bags.

