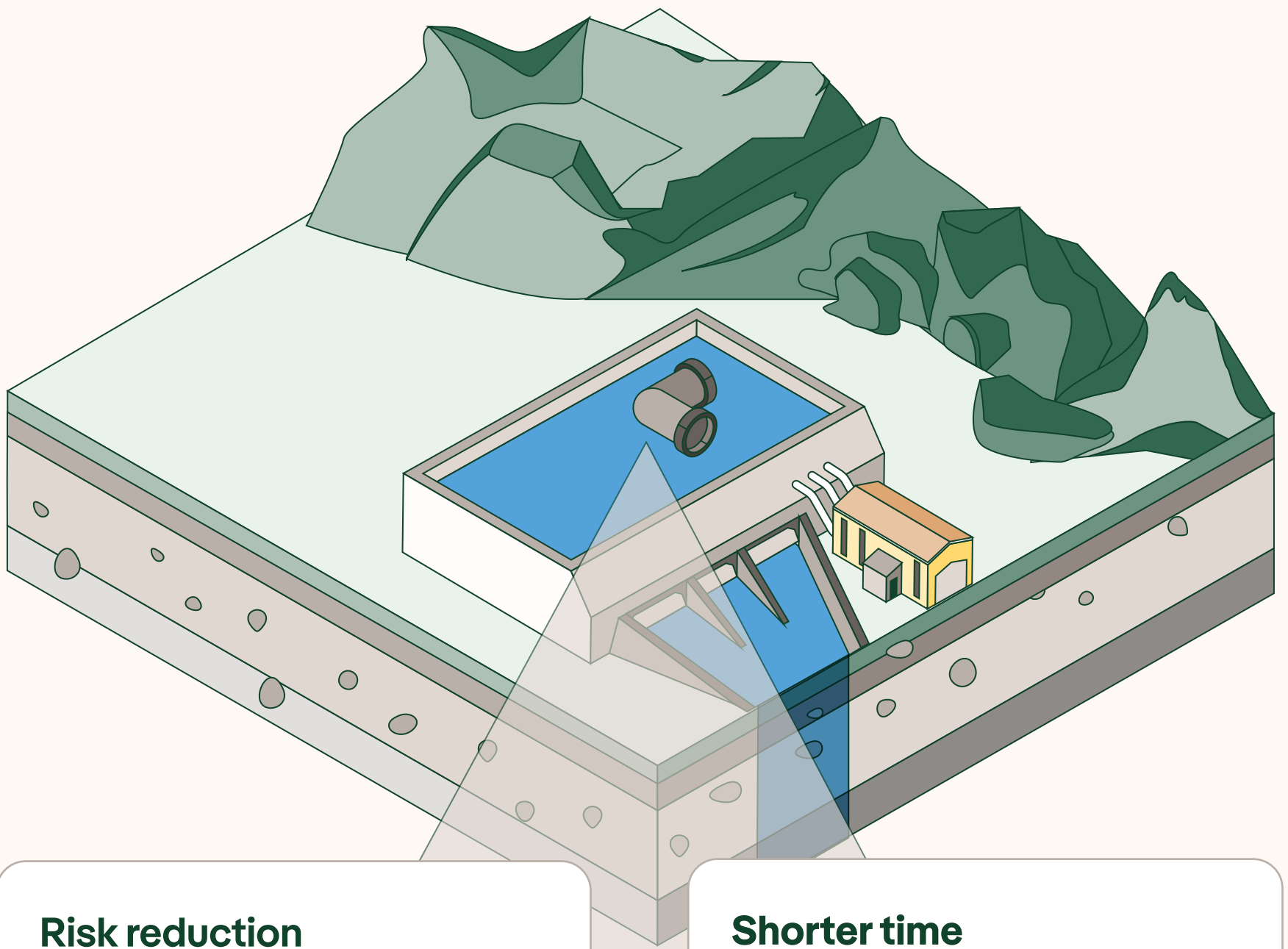


# Advantages of inspection and cleaning of large pipelines using ROVs

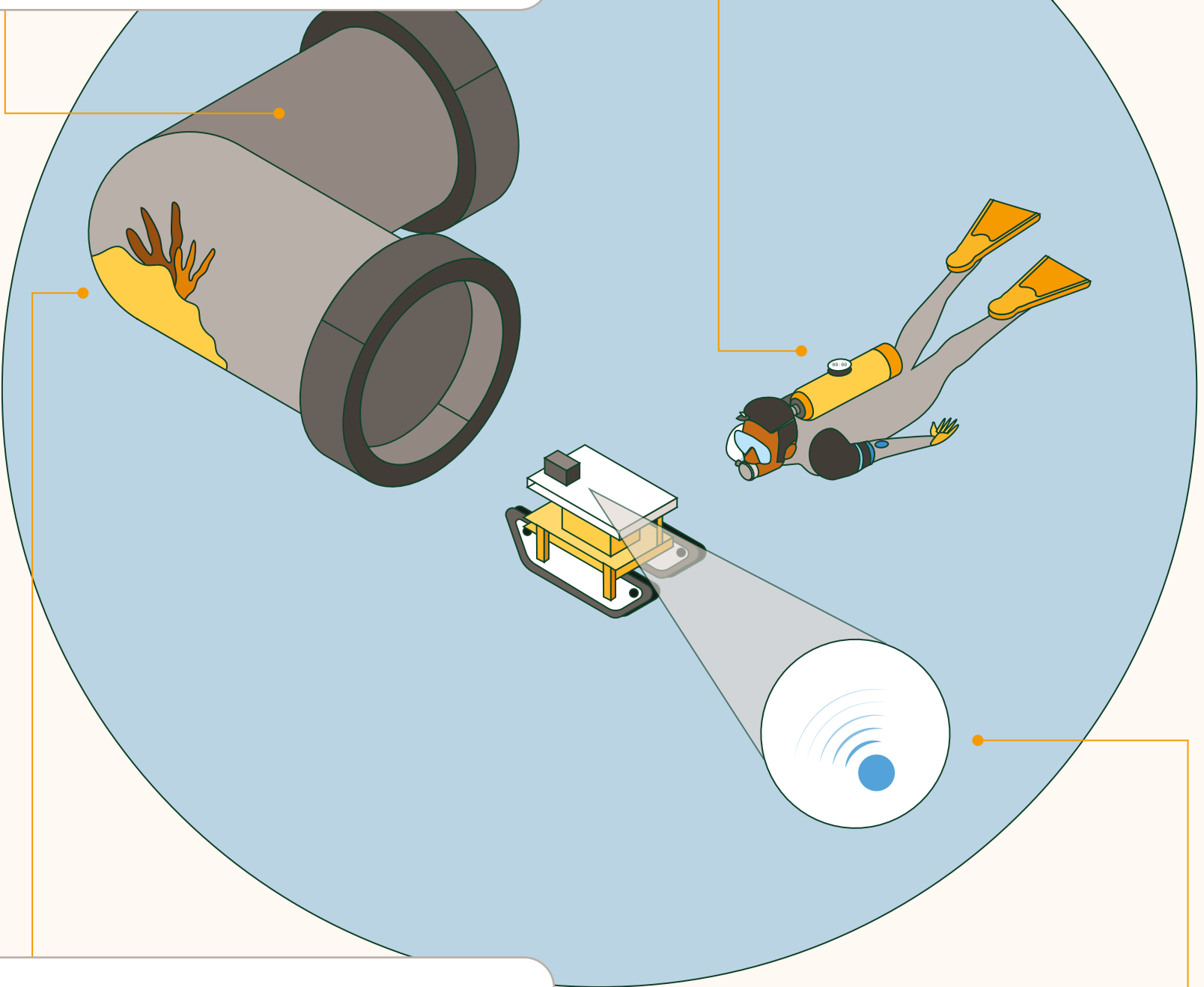


## Risk reduction

Pipe diameters range from 1 to 4 metres, usually closer to one metre. Divers are exposed to risky situations when diving in these conditions.

## Shorter time

Inspection time constraints are removed with regard to the use of divers, who have to take turns to surface.



## Increased image accuracy

Diver visibility reaches less than 10 cm when chemicals are used to combat *biofouling*. The ROV's pipe profiling sonar achieves accurate quantification of sediment accumulation despite water turbidity.

## Better positioning

The location data obtained with the DVL (Doppler Velocity Logging System) is matched with the sonar images to produce an accurate model of the pipeline.



## Usability of data

The 3D data that the ROV sends to the client allows the space to be measured and analysed in detail for predictive maintenance of the installation.