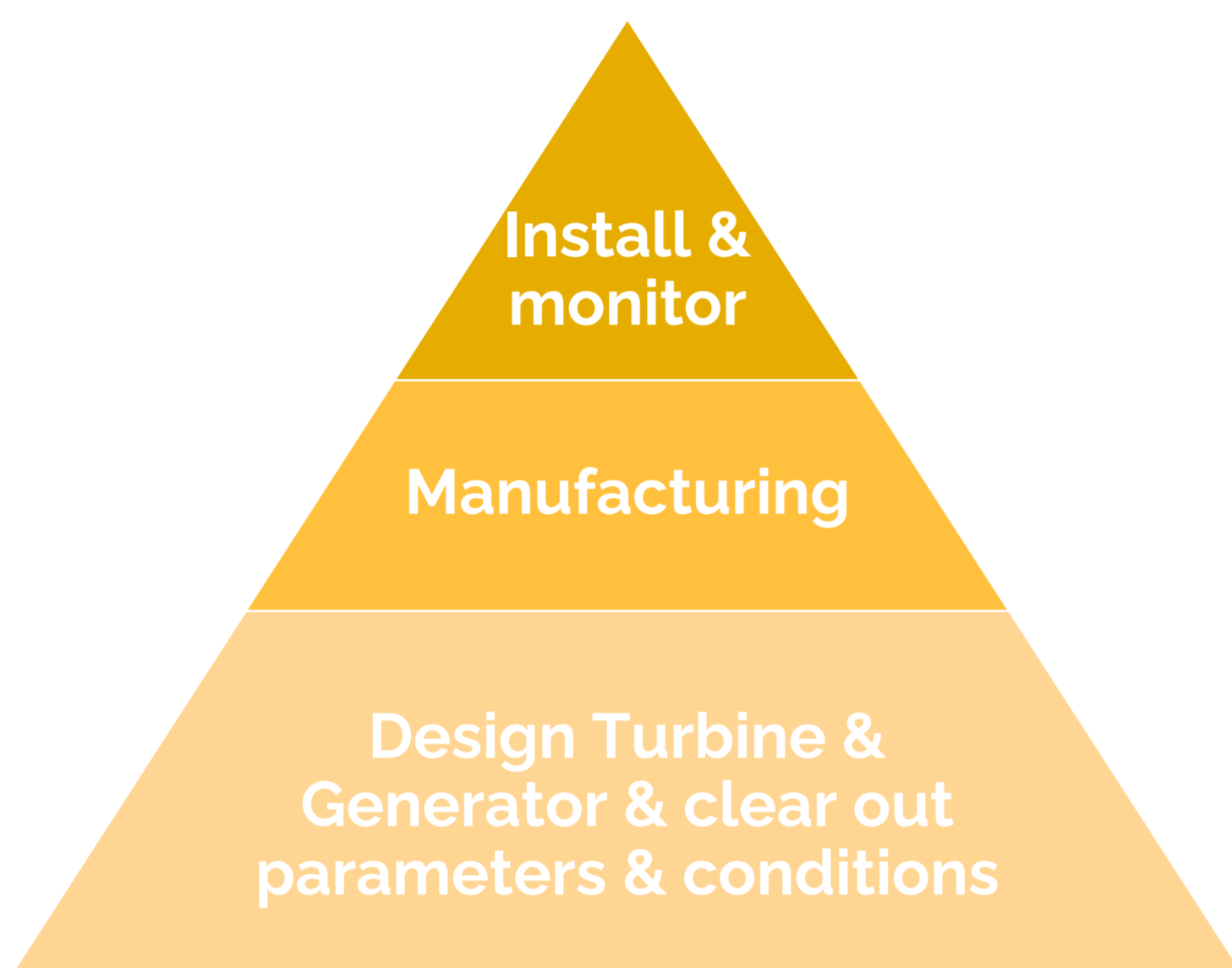


## INTRODUCTION

Water is an infinite source of energy. PIONEERS focuses on developing innovative approaches to harness this energy and convert it into electricity. With the knowledge gained from our efforts, we now have the opportunity to advance towards a **comprehensive solution that efficiently converts water's energy into electricity, particularly in the context of port infrastructure.**



## OBJECTIVES

This demo project aims at developing a workable and reliable concept that can be deployable in different forms of port infrastructure. This way, we contribute to **reducing the ecological footprint of ports in their day-to-day operations.**

## METHODOLOGY

The engineering and development of the integrated hydropower platform is done in-house by De Meyer NV.

The phases of deployment and operation of the demo are a shared effort with Port of Antwerp-Bruges.

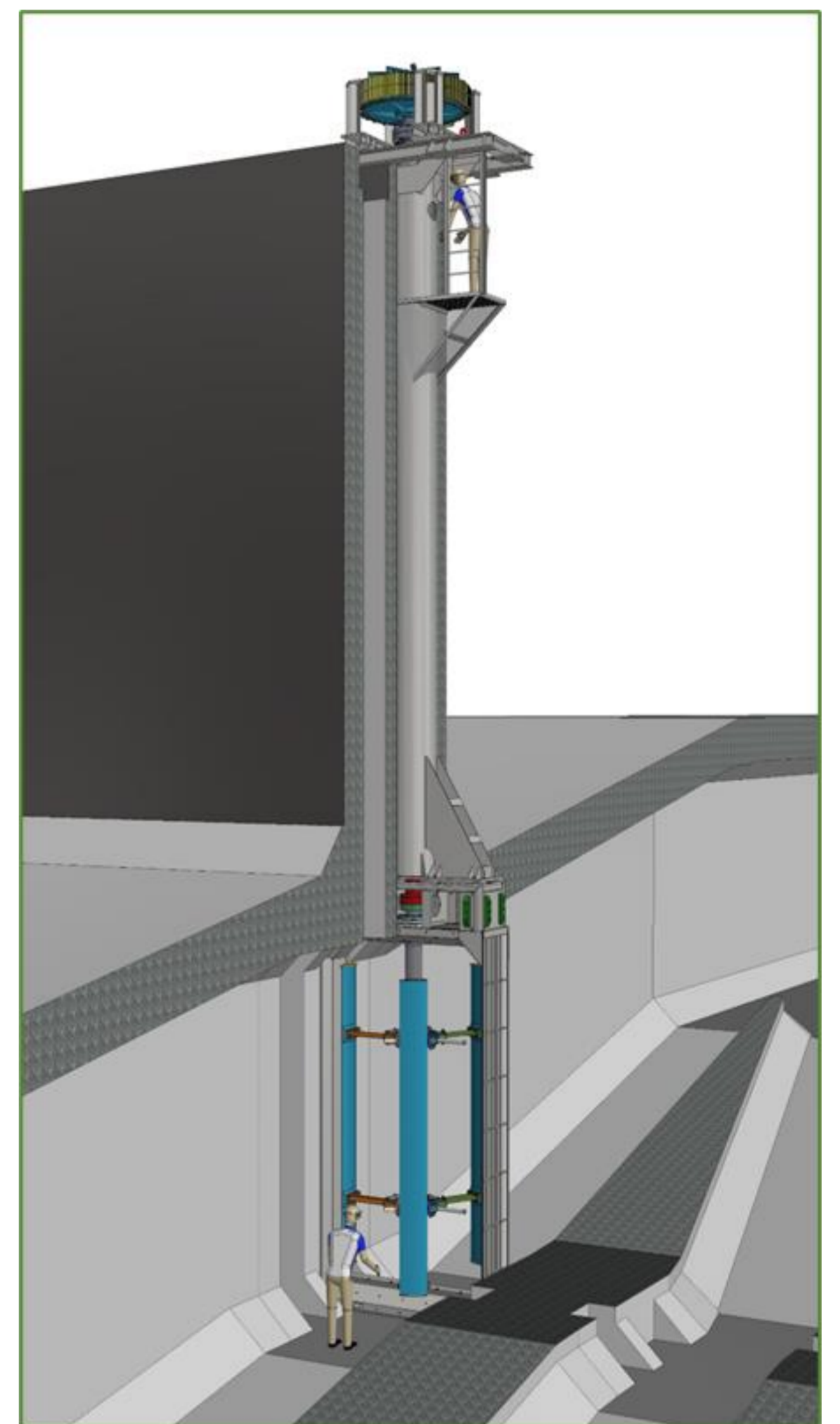
The demonstrator has been created through a collaborative design process involving key stakeholders, with the aim of making the innovation transferable to other ports after the project completion.

# Energy generation from water currents



## RESULTS & IMPACTS

It is too early in the lifecycle of the demo to present results. At this point in time, all parameters and conditions to properly operate the demo at the test site (Kallo lock) have been determined. The engineering of turbine 2,0 & generator 2,0 is completed.



## CONTACT

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