

HOW TO IMPROVE INSPECTION ACTIVITIES THANKS TO DIGITAL TECHNOLOGY AND DIGITAL TWIN?

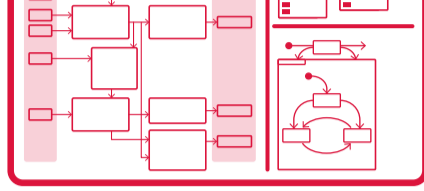
IN THE NUCLEAR INDUSTRY, DIGITAL TWINS INCLUDE

AN INTERCONNECTED ENVIRONMENT OF DIGITAL TOOLS

Such as BIM, PLM, simulation and planning tools



MODELS



DATA



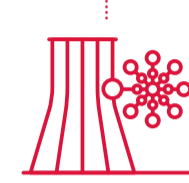
BUSINESS-RELATED

and/or



PREDICTIVE

and/or



REAL TIME



and **EVOLVING AS THE PROJECT PROGRESSES**

IT IS TAILOR-MADE TO SUIT

The **NEEDS** and **USES** identified on the project



The **CONSTRAINTS** generated by the project context



IT CAN SUPPORT ALL PHASES OF THE PROJECT



Design



Construction



Commissioning

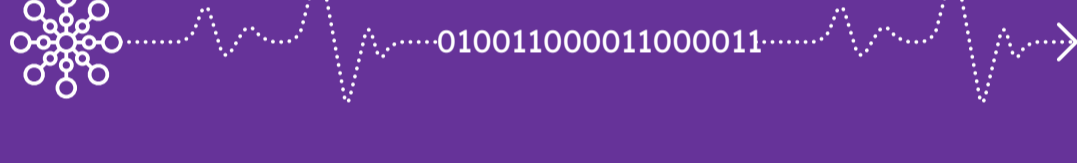


Operations



Dismantling

AND ENSURES CONSISTENCY OF INFORMATION

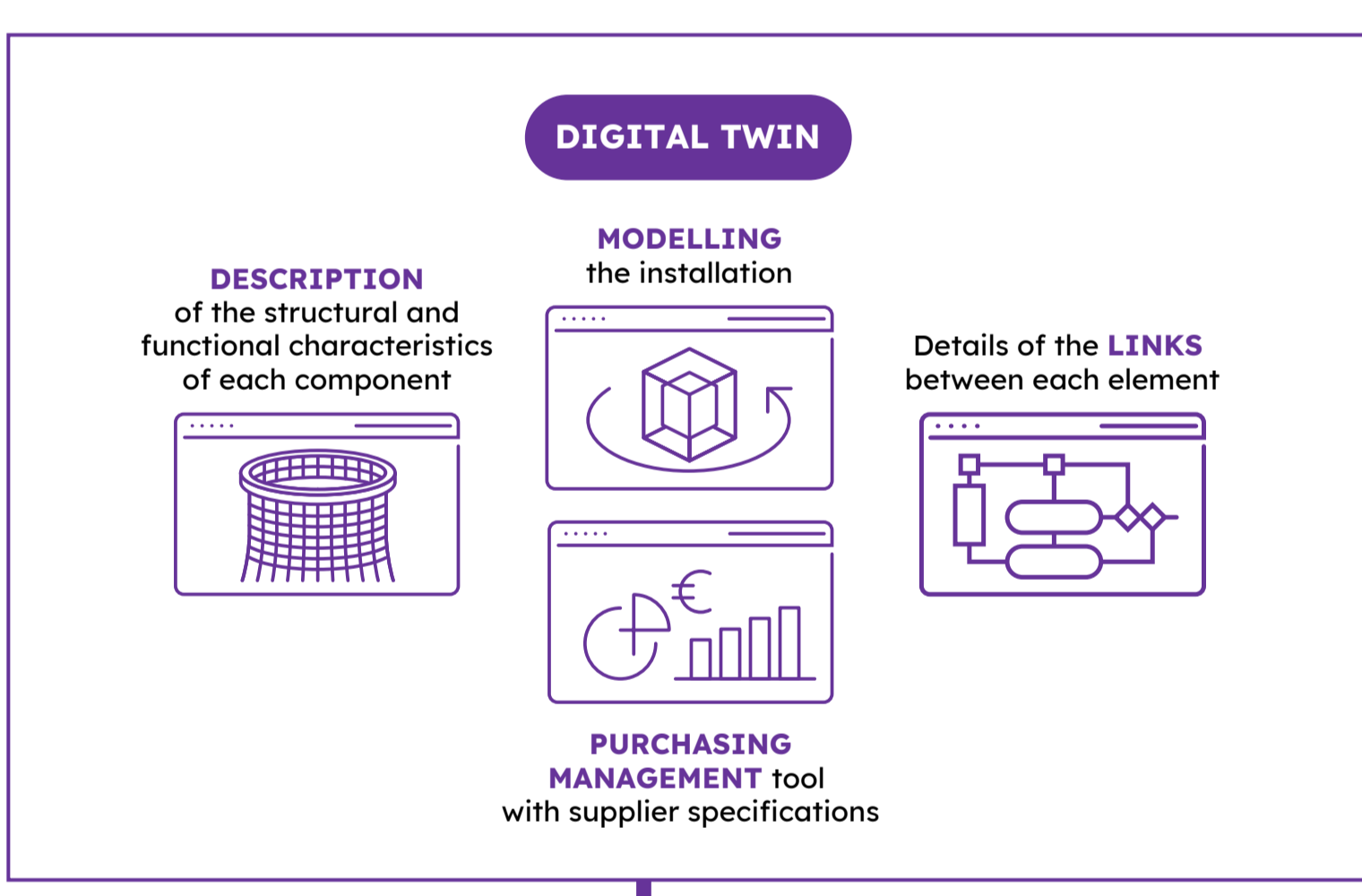


ASSYSTEM HAS DEVELOPED A DIGITAL TWIN OFFER

SPECIFICALLY FOR THE CONSTRUCTION PHASE



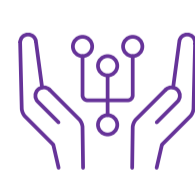
WE MAKE IT POSSIBLE TO DIGITALISE INSPECTION ACTIVITIES ON SITE



Updating the digital twin



FUNCTIONALITIES PROVIDED



CONFIGURATION control



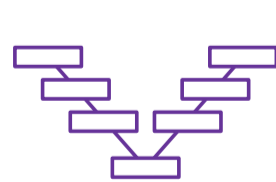
SIMULATE operations



MANAGE and **TRACE** requirements, documents, parts, simulations, etc...



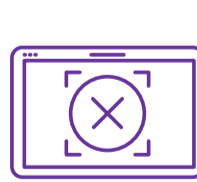
INTEGRATING engineering data into contracts



Managing an **INTEGRATION PLAN**, verification and validation



Supporting **INSPECTION ACTIVITIES**



Streamline the handling of **NON-CONFORMANCES**



integrate **MODIFICATIONS** and monitor changes to the configuration

THIS DIGITAL TWIN PROVIDES



Optimised, integrated inspection **SOLUTIONS**



Simplified, controlled **COLLABORATION** between teams



The **CREATION** of a central and reliable data source

ENABLING



EFFICIENT monitoring of physical progress



ASSURANCE in dealing with non-conformities



TIME SAVINGS of up to 90% on certain operations



CAPITALISATION of feedback thanks to consolidated, up-to-date data

SWITCH ON

ENGINEERING & DIGITAL FOR ENERGY TRANSITION