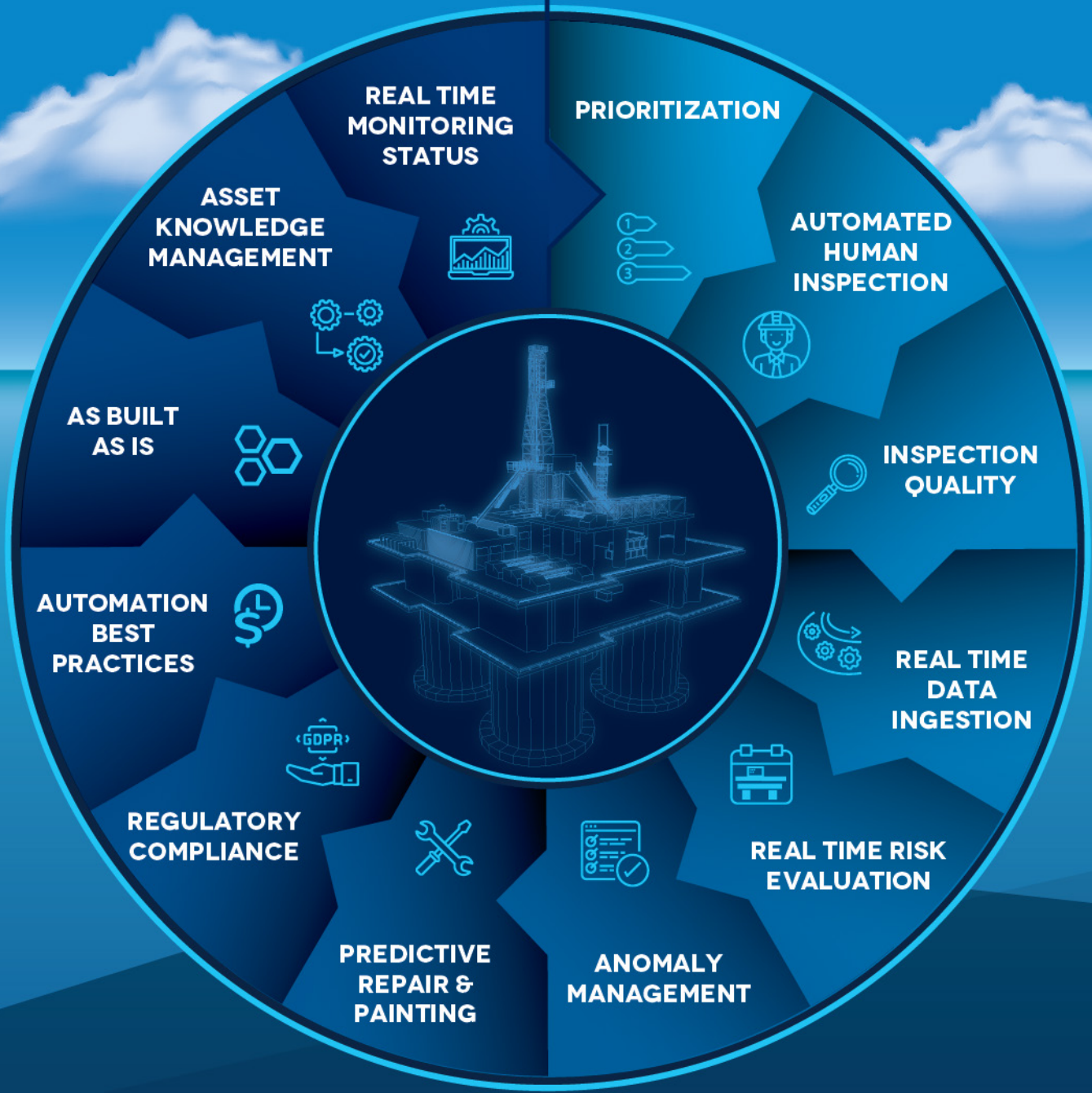
PhDsoft

Digital Transformation - Smart Digital Twin

DIGITAL TRANSFORMATION DRIVING SAFETY AND EFFICIENCY

BUILD / CONVERT 3D MODEL INTO DIGITAL TWIN



Data flows from sensors, drones (IoT) via MindSphere to our PhDC4D® Smart Digital Twin to provide crystal clear awareness of the aging process and associated risks over time.

PhDC4D® detects anomalies and degradation, warns immediately of asset risk and monitors operational conditions to avoid failures and accidents.

INDUSTRIAL IoT MADE REAL

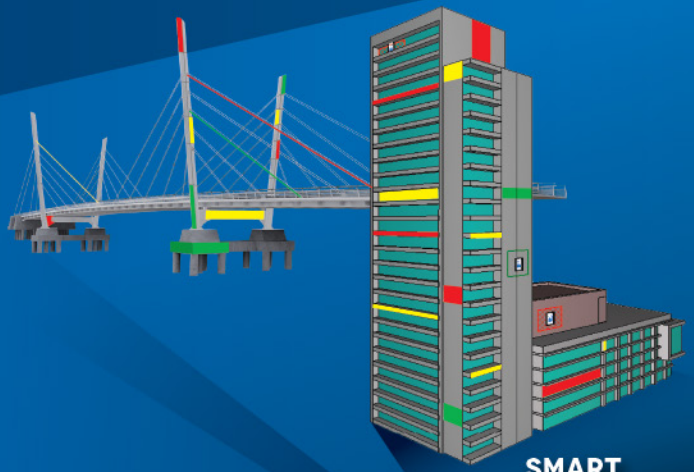
MINDSPHERE STRINGENT SECURITY FEATURES SAFEGUARD THE SUCCESSFUL TRANSFER OF SENSITIVE INDUSTRIAL DATA

SIEMENS

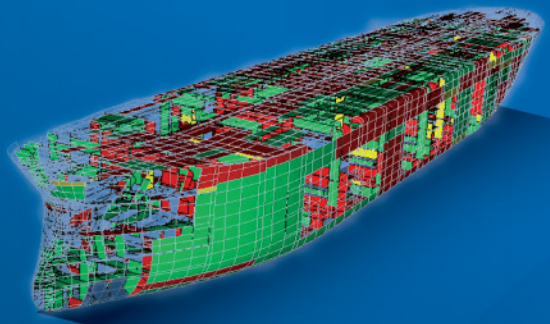
Provides global sales, services and support related to digital transformation process implementation with PhDC4D®.

Gold Partner MindSphere

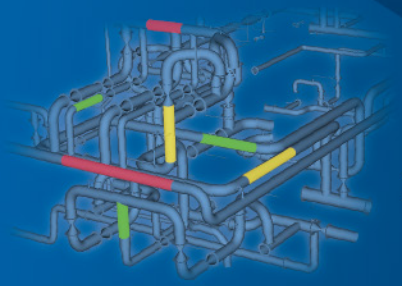
SIEMENS



SMART CITIES



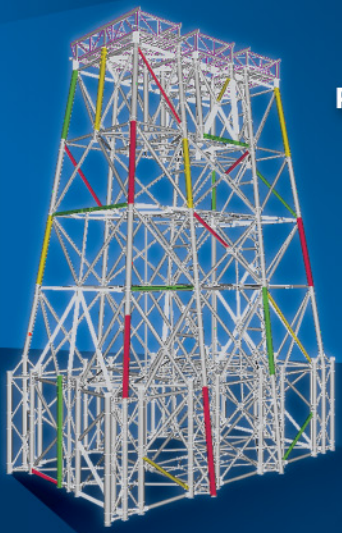
SHIPS AND OFFSHORE PLATFORMS



PLANTS

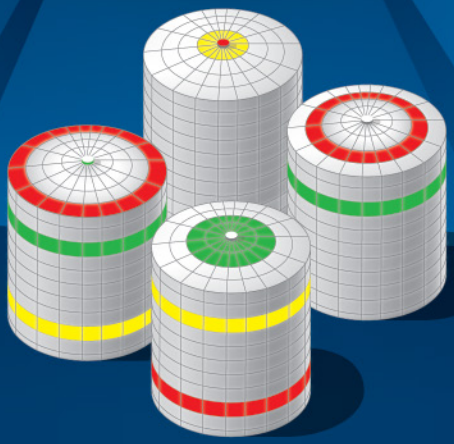
DIGITAL TRANSFORMATION

YOUR ASSET HERE

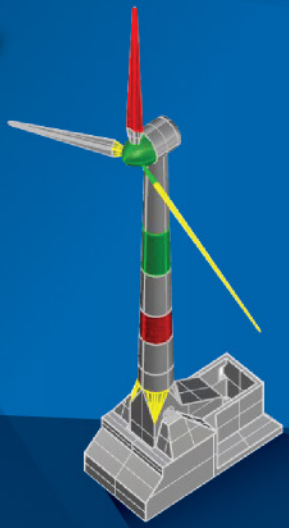


FIXED PLATFORMS

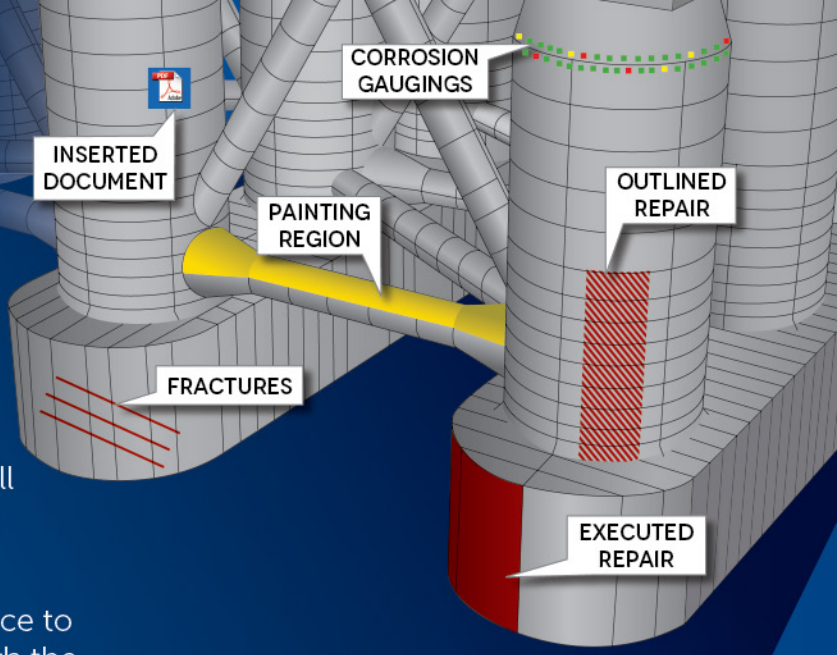
TANK FARMS



ENERGY



PhDC4D®

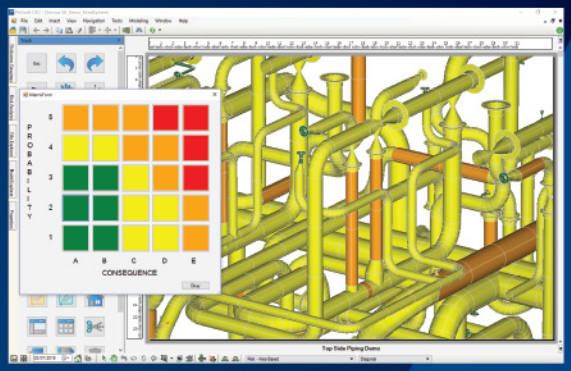


PhDC4D® 4D Smart Digital Twin is much more than a 3D repository of information, provides a smooth digital transformation of the maintenance process.

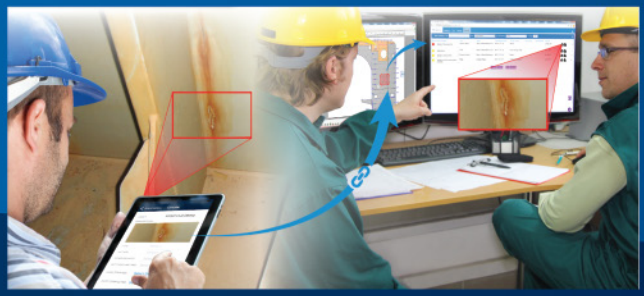
PhDsoft® technology enables full automation of the engineering activities including risk evaluation, repair outlining, bill of materials, coating management and anomalies management.

PhDC4D® uses predictive analytic intelligence to foresee asset conditions and ages along with the asset but considers regeneration due to repairs done over time and allows customers to predict when further interventions will be required.

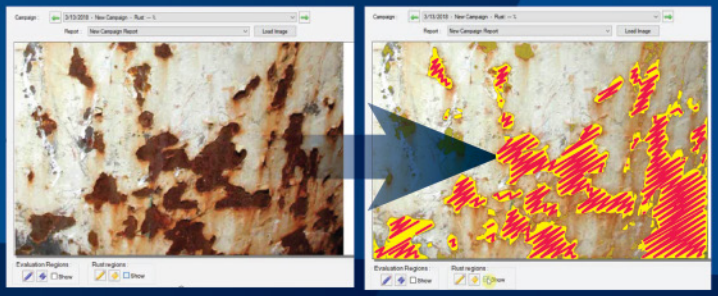
PhDC4D® is state-of-art technology that bridges existing manual processes and historical data to digital with no disruption. PhDsoft automates and integrates data ingestion from both human inspections and from drones, robots and sensors data into the same smart digital twin.



RISK EVALUATION – ENGINEERING AUTOMATION



AUTOMATION OF HUMAN INSPECTIONS



ANOMALIES DETECTION IN PHOTOS

PhDsoft
PROVEN TECHNOLOGY
AWARDS
MICROSOFT SUSTAINABILITY
LAGCOE NEW TECHNOLOGY
INNO-CHINA
INNOSTARS
SHELL INNOVATION CHALLENGE
OVER 110 FULL PLANT DIGITAL TWINS DELIVERED
CLIENTS
SHELL, MODEC, SUBSEA7, PETROBRAS, TRANSPETRO AND OTHERS
PIONEERS 20 YEARS OF DEVELOPMENT
Gold Partner
MindSphere
SIEMENS
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