Improve safety and increase efficiency by visualization

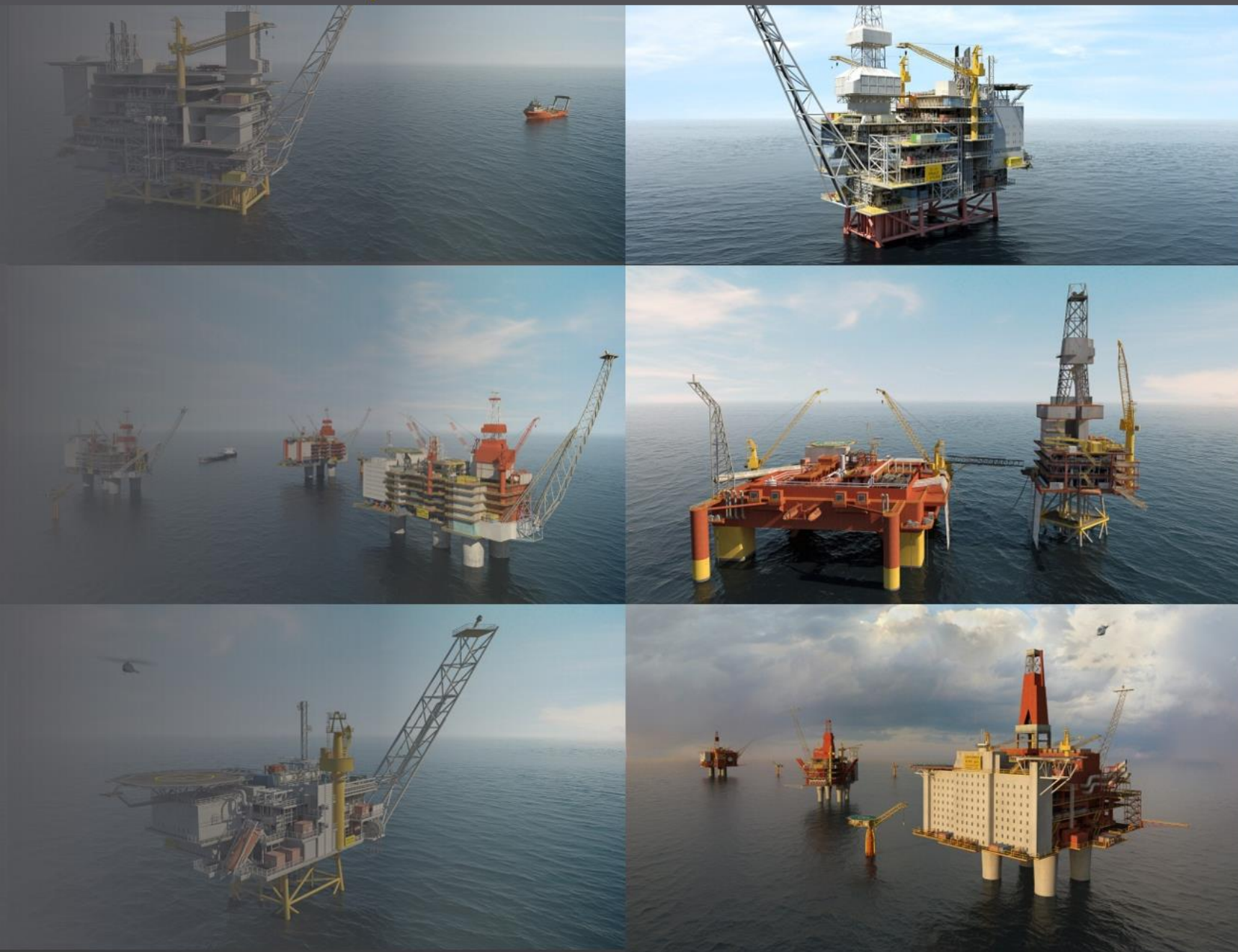
We are experts in industrial visualization
and use visualization to increase human performance
in physical complex and data intensive domains.

VISCO

CREATING VISUALS.MAKING SENSE

Asset Communities executes a wide spectre of critical tasks

- Concept Development
- Design Reviews
- MC & Commissioning
- Training & Familiarization
- Inspection and Maintenance
- Work permits & WO
- Isolation & Shutdowns
- Material Handling & Simulations
- Logistic & Deck Management
- Safety & Mustering
- Onshore & Offshore Management
- Alarm & Alerts
- ……..



These critical tasks are complex

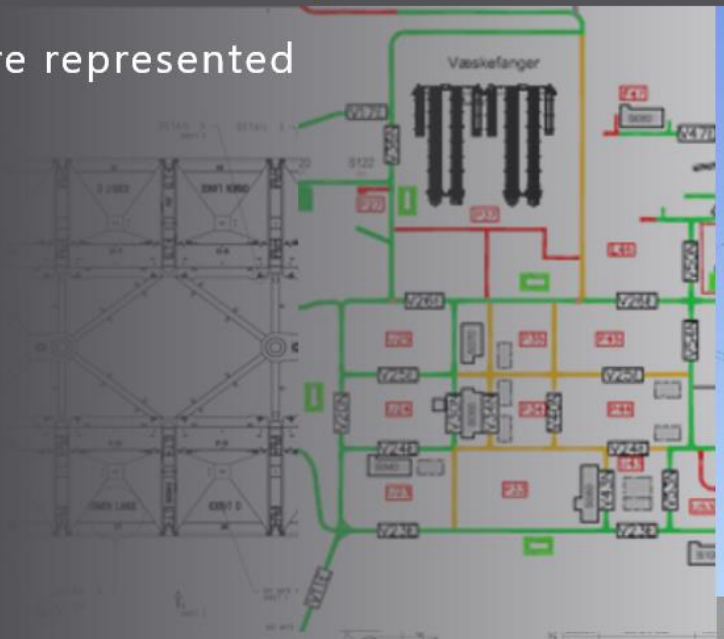
Asset and visualization data are represented by many disparate sources.

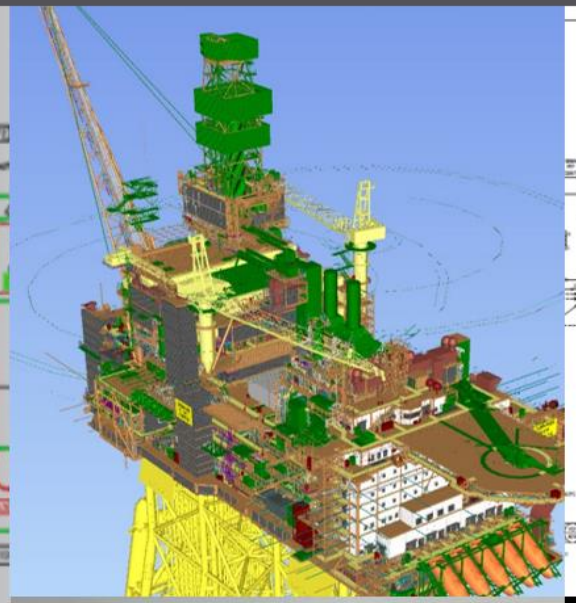
Visualization data

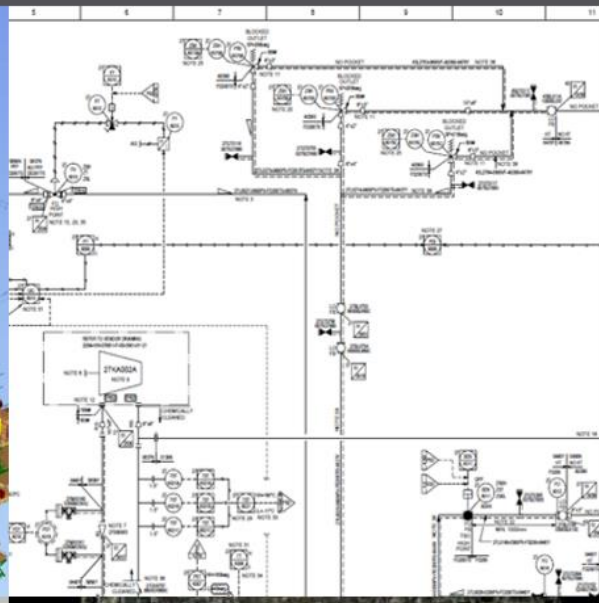
- 2D CAD (Flow-diagrams)
- 2D schematics
- 3D models
- Video
- Point cloud
- Surveys
- Photo

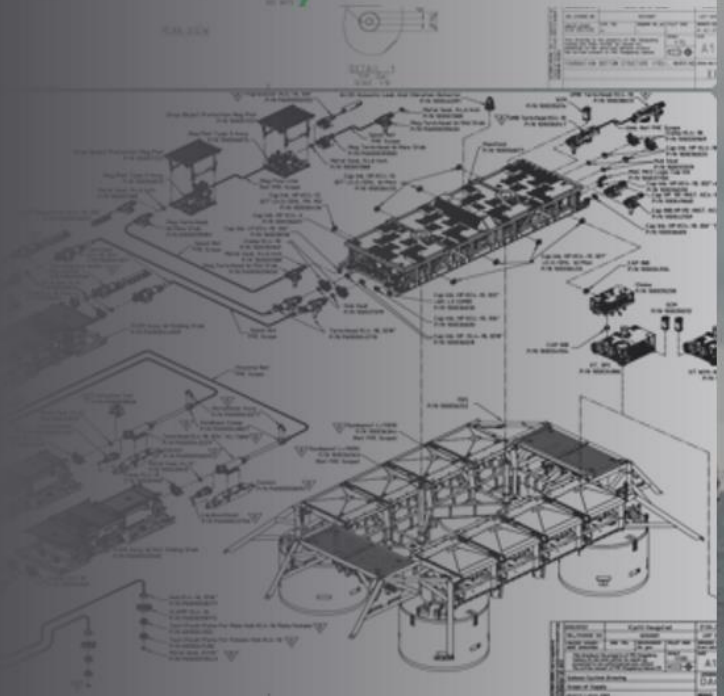
Asset Data

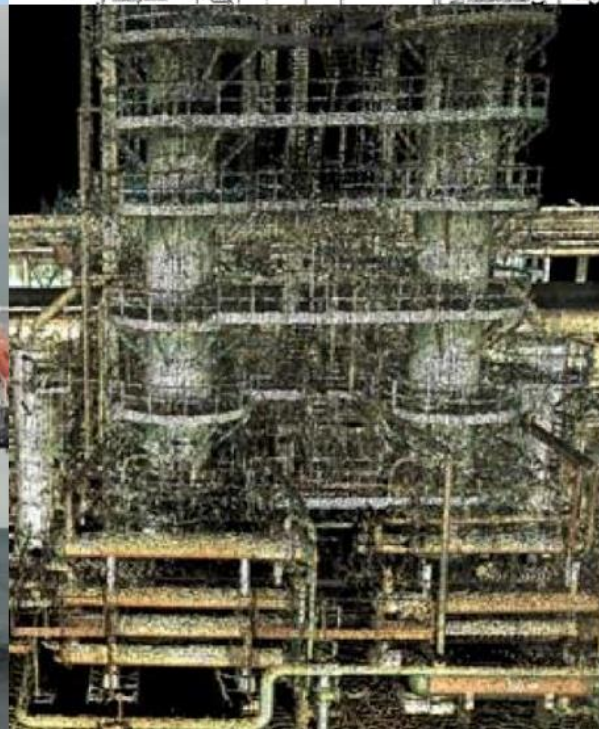
- ERP data
- Technical data
- Safety data
- Integrity data
- Alarm data
- Production data
- Positioning data









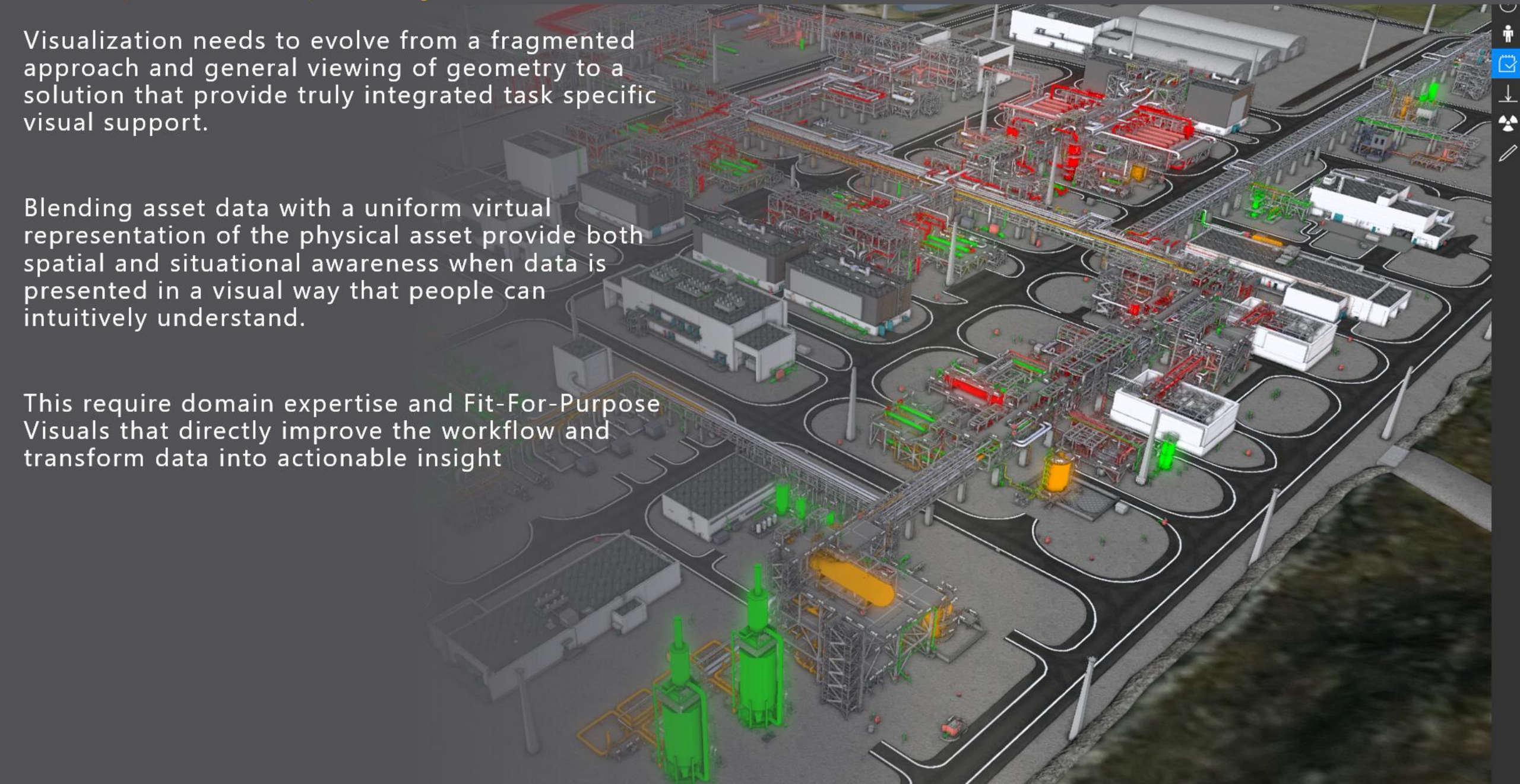


Conquer complexity with Fit-For-Purpose Visualization

Visualization needs to evolve from a fragmented approach and general viewing of geometry to a solution that provide truly integrated task specific visual support.

Blending asset data with a uniform virtual representation of the physical asset provide both spatial and situational awareness when data is presented in a visual way that people can intuitively understand.

This require domain expertise and Fit-For-Purpose Visuals that directly improve the workflow and transform data into actionable insight



Fit-for-purpose visuals are task driven

Identify the information that affect the way you solve a task or perceive the situation.

The visuals are tailored to present this information in an intuitive way.

Fit-for-purpose visuals incorporate and represent the data needed to address each decision.

Fit-For-Purpose Visualization
integrate relevant visual sources in a singular interface

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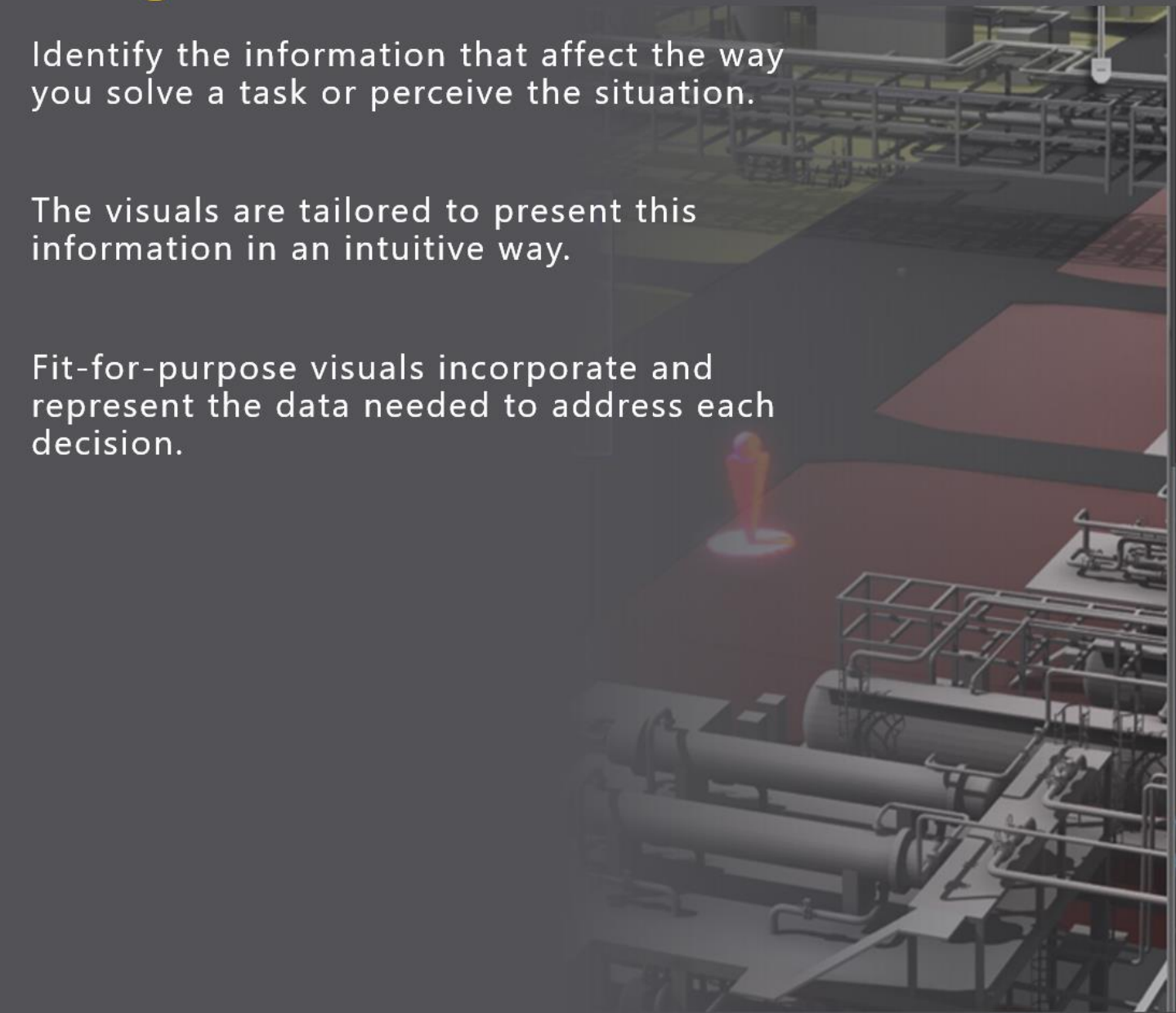


Fit-for-purpose visuals
put the users in the centre of the design

All-in-one representation of complete environments with all assets and infrastructure.

Able to navigate from high level to detailed level.

Group step-by-step features needed for a particular task.

Geometric information not related to particular task should be downplayed.

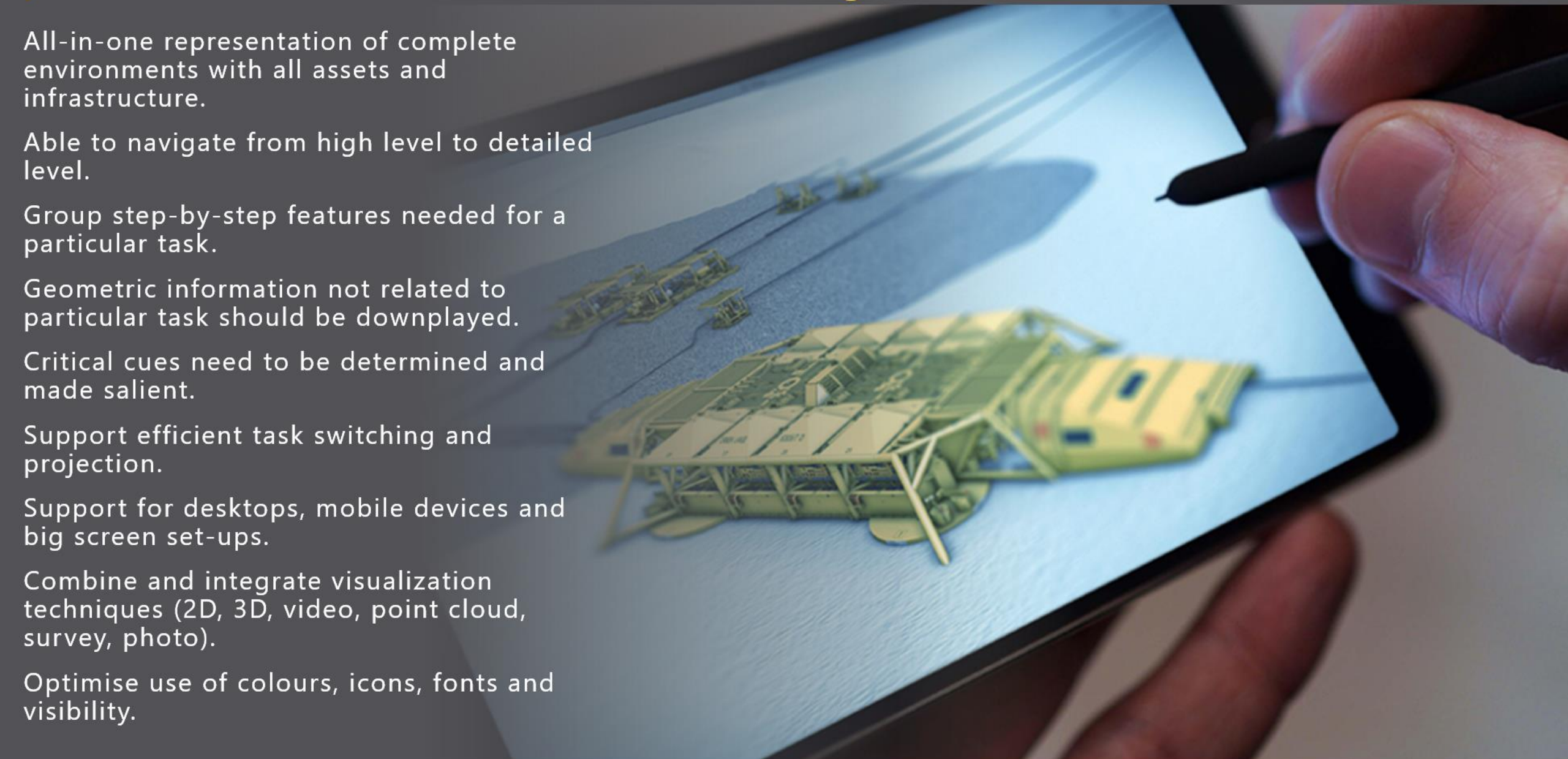
Critical cues need to be determined and made salient.

Support efficient task switching and projection.

Support for desktops, mobile devices and big screen set-ups.

Combine and integrate visualization techniques (2D, 3D, video, point cloud, survey, photo).

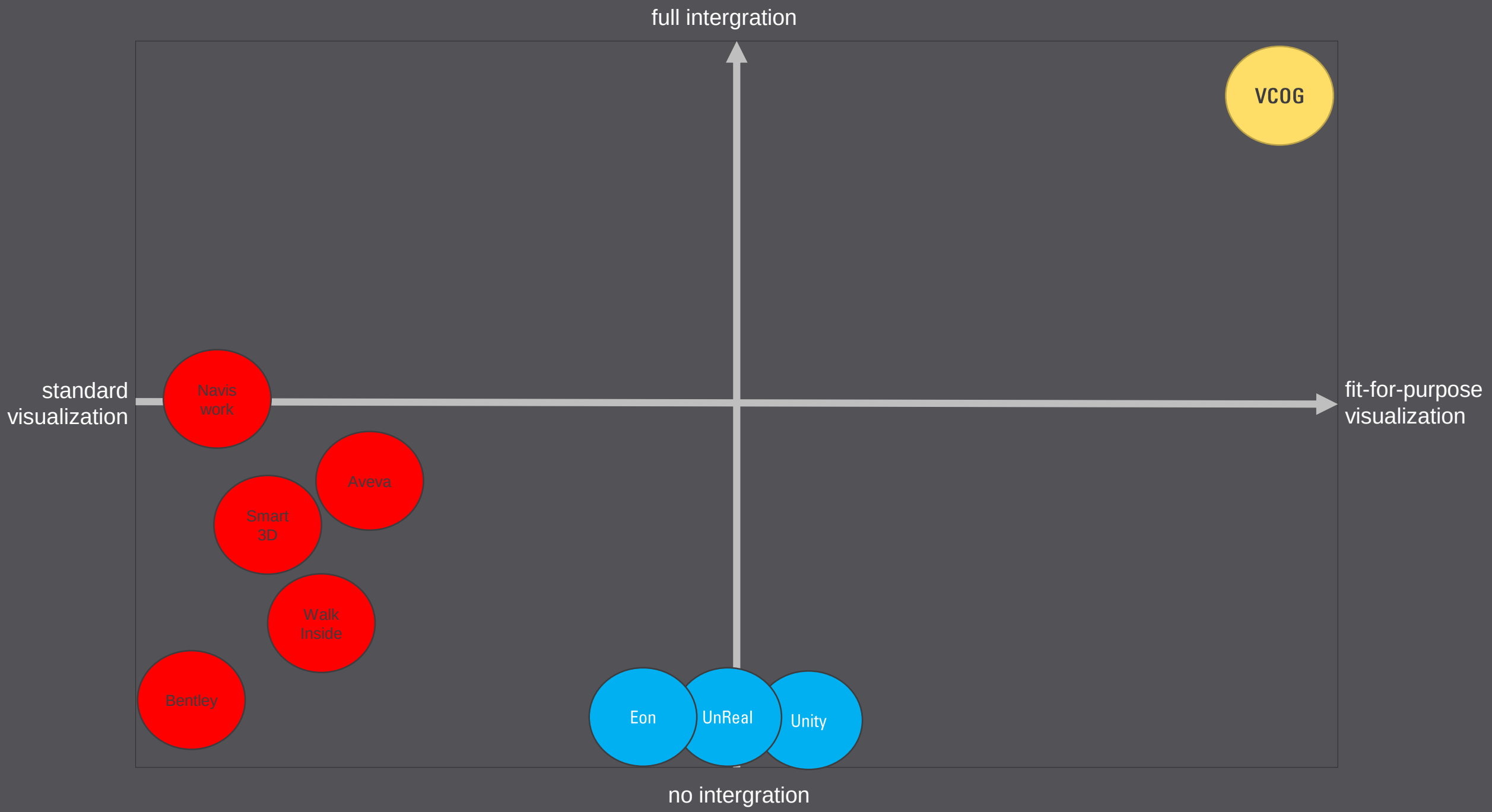
Optimise use of colours, icons, fonts and visibility.



THE SOLUTION IS CALLED

VCOG

Asset Community
VCOG
Asset Data


full intergration
VCOG
standard visualization
fit-for-purpose visualization
Navis work
Aveva
Smart 3D
Walk Inside
Bentley
Eon
UnReal
Unity
no intergration

CREATING VISUALS MAKING SENSE

Q&A

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