

PROBLEM STATEMENT

Complex work breaks down when information is separated from the physical asset

- Procedures, CAD, Inspection results, work orders, and expert knowledge live in different places.
- Workers must interpret that information while deciding what to do next and documenting the result.
- Robots can execute actions but often lack the asset, location, and task context needed to act correctly

TECHNOLOGY SOLUTION

SPIDER Paint

Detects and localizes the asset, then anchors paint, masking, stencil, and camouflage guidance to the exact physical location so workers and robots know what goes where, in what sequence, and what has been completed.

SPIDER Robotics

Localizes the asset, robot, and work zone, then provides spatial context for task setup, path planning, execution, and verification so robotic workflows stay aligned to the actual asset.

SPIDER Inspect

Detects and localizes the asset, tracks tools in 6DoF, anchors every inspection reading to the exact hull, equipment, or work-zone location, and builds a traceable inspection path for rework, verification, and turnover.

BENEFITS

SPIDER carries the context so people and machines can focus on execution

- **Clearer work:** show what to do, where to do it, and in what order.
- **Consistent execution:** keep workers, tools, and robots aligned to the same plan
- **Verifiable results:** preserve conditions, actions, findings, outcomes
- **Scalable knowledge:** reuse proven workflows across people, facilities, and systems

