Remote robotic system control software that has been proven through application on subsea intervention tasks for the oil and gas industry. Provides perception, machine learning, and assistance to support operators of robotic systems in visualizing, understanding, and operating from remote locations. Ready for transition to on-orbit servicing, assembly, and manufacturing to provide the optimal level of autonomy to enable and accelerate operations in communication challenged environments.

Benefits

- Scalable Autonomation through Supervised Autonomy
  - Don’t need to provide full autonomy out of the gate.
  - Can start with a base level of autonomy with teleoperator assistance and increase autonomy over time.

- V&V Testing on Fielded Systems
  - Don’t need to anticipate all use cases and do all V&V in the lab.
  - Can do a baseline V&V on the ground, then in the field can define new use cases (requirements), define acceptance criteria based on operator performance, and do the testing with the operator in the loop.

- Reduction in Operating Costs
  - Minimizes burden on operators allowing faster, more efficient operational tempo.
  - Improved situational awareness improves safety and reduces likelihood of lost time.