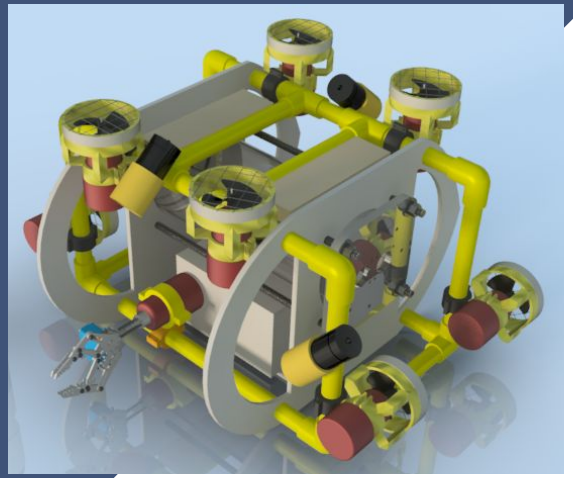
Underwater Robotic Technology to Manage Marine Contamination



AscendTech 4-H Club of Monmouth County

PROBLEM:

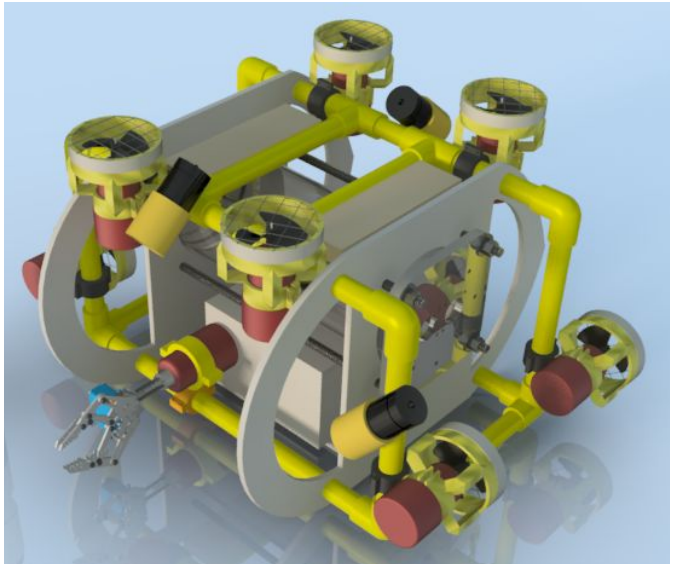
Marine Contamination

(above): Gulf of Mexico Oil Spill

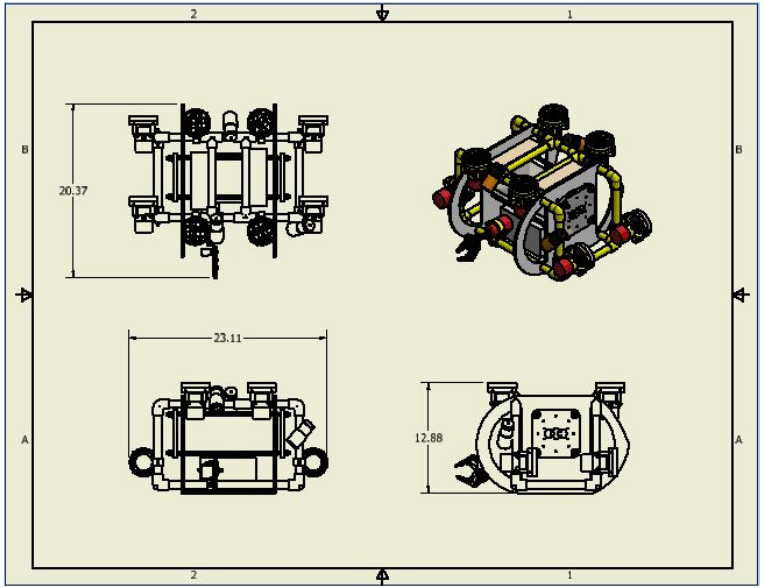
- Oil spills
- Containers falling off cargo ships
- Plastic man-made debris

OUR SOLUTION

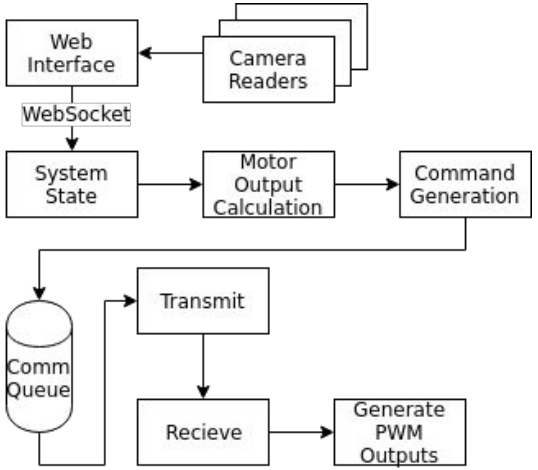
- Economical, efficient ROV
  - Remotely Operated Vehicle (ROV)
- Easy and intuitive control for operator
- **Key Features**: Custom-built web interface, modular frame design



TECHNICAL DIAGRAMS



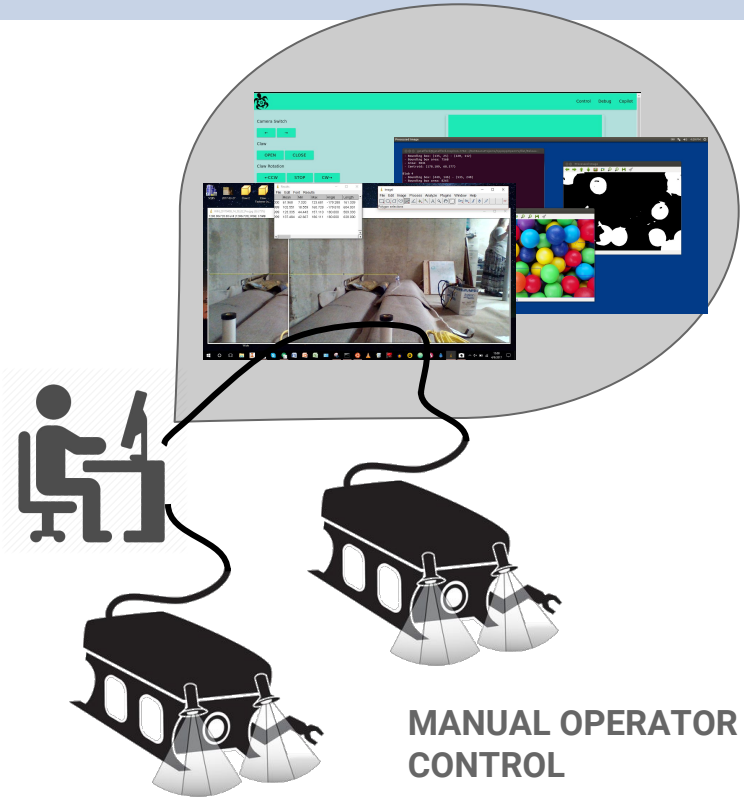
(*above*): *IDW Diagram of* Archelon *ROV*



(*above*): *Flowchart Diagram of Control System*

IMPLEMENTATION

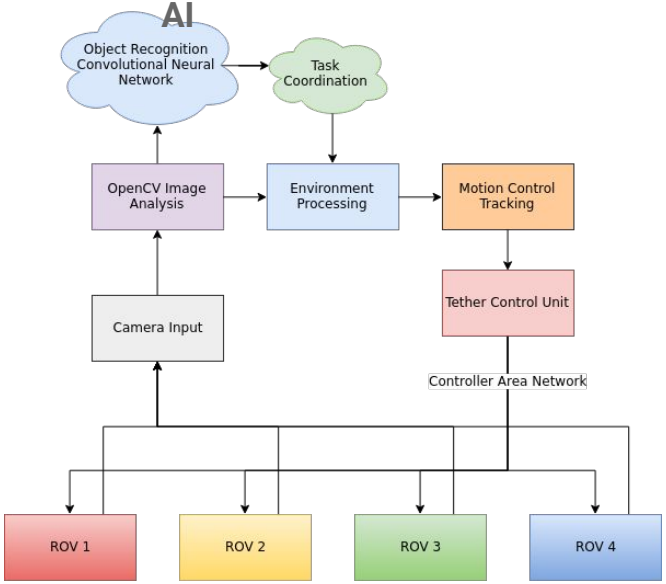
SMALL SCALE IMPLEMENTATION



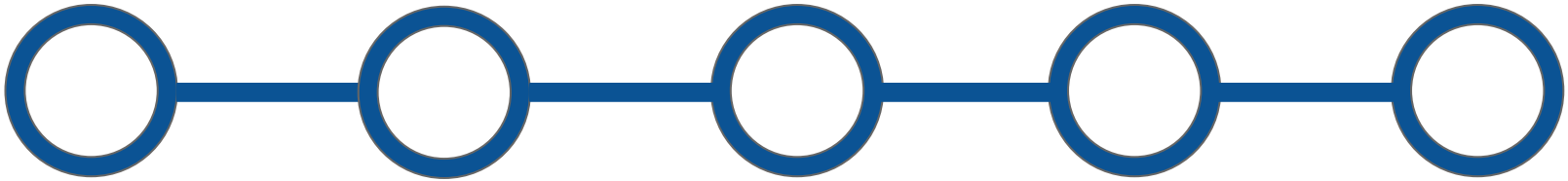
MANUAL OPERATOR CONTROL

LARGE SCALE IMPLEMENTATION

CONTROLLED AUTONOMOUSLY BY AI



TIMELINE



Aug. 2017	Dec. 2017	May 2018	April 2019	Dec. 2019
Concepting	**Commitment**	**Validation**	**Scaling**	**Establishing**
Committed, skilled and balanced founding team. Have a clear and meaningful target with clear direction for min. 2 years.	Complete development of ROV product, create and finalize diagram for implementation of ROVs.	Continue to attract additional resources for equity or future revenues. Looking for clear market validation (Product Market Fit) to move onto scaling.	Show clear, growing and measurable user/market traction in big or rapidly growing target market.	Achieve strong and continued growth trajectory. Continue to gain access to resources.

THANKS!

Any questions?

You can find us at our website:

https://ascendtech4h.org/