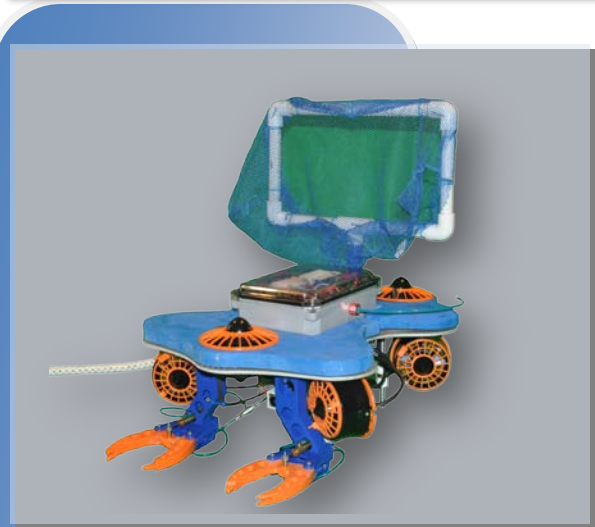




Company Highlights:
 Community Team located in Pearl River, NY ·
 All members returning for a **Third year** to participate in
 MATE ROV PA Regional Competition ·
 Distance to PA Regional: One click away (Virtual) ·
 Distance to World Competition: 647 miles



Company Team Members (left to right back row, front row):

- Alex Balison** - Machinist, Engineer, CAD Designer, 9th grade
- Alex Cacas** – Software Engineer, Electrical Engineer, 11th grade
- Aaron Han** - Engineer, CAD Designer, 11th grade
- Matthew Balison** - CEO, Software Engineer, CAD Designer, 11th grade
- Brendan Kilkenny** - Engineer, CAD Designer, 11th grade

TopSpin 3.0
 Ping Engineering's
 2021 Remotely
 Operated Vehicle
 (ROV)

At a Glance ROV SPECS for TopSpin 3.0	
Cost	\$3,030 (Reused Parts \$1,646/New Parts \$1,384)
Size/Weight	50 cm long x 41.7 cm wide x 29.2 cm high/8.8 kg
Total Student Hours	650 hours and counting!
Special Features	Frameless aluminum backplate
	3D designed & printed custom mission tools
	Multiple hydraulic powered grippers
	Syntactic foam floatation
Safety Features	Auto-leveling pitch control
	Socially-distanced dual pilot control
	Safety orange colored moving parts
	Strain relief on tether
	Kill Switch for main power/25 amp fuse
Safety Features	Orange Propeller Shrouds
	No sharp edges

Many thanks for the support we have received from our families. Our mentors: Mr. Balison/ Mrs. Kennedy. Our team sponsor HVEA Engineers and all of the Regional support from V.Vanessa Morris and Jane White. Photos by E. Kennedy

