**COMPETITION TEAM MEMBERS:**

**CREW:**
- Sydney Goodall ’23
- Sofia Stuck ’23
- Ava Borchers ’24
- Audrey Mayo ’24
- Emily Murray ’24
- Isabella Ramos ’25
- Gabrielle Rosario ’25
- Kinnera Tirumala ’25

**New Members**
- Returning MATE Competition Participants

**COACHES:**
- Kitara Crain
- Maurice Velandia
- Marcus Grindstaff

**SAFETY FEATURES:**

**DIGITAL CAMERA SYSTEM & GUI**
Advanced Digital Camera System allows for high quality video feeds and full software control of vision and image recognition systems.

**PNEUMATIC GRIPPER**
A pneumatically powered, custom-designed gripper, capable of completing a range of mission tasks.

**BUOYANCY ENGINE**
A custom float separate from which is capable of autonomously completing two vertical profiles.

**ADJUSTABLE FRAME & BUOYANCY**
An adaptable frame for easy configuration which features an adjustable buoyancy system.

**ST. FRANCIS HIGH SCHOOL**
**SACRAMENTO, CA, USA**
Distance traveled: 417 miles

**BELUGA**
Brought to you by Geneseas.

**COMPETITION TEAM MEMBERS:**

**CMO; Overall Software Lead**
- Jaedyn Alford ’22

**CEO; Vision Lead**
- Meredith Garcia ’22

**CFO; Electrical Lead**
- Lauren Jones ’22

**Mechanical**
- Emmy Asperger ’23

**Control Software Lead**
- Allie Dinh ’23

**Electrical**
- Morgan Jones ’23

**Safety; Mechanical Lead**
- Norah Zhou ’23

**Tools**
- Alicia Del Toro ’24

**Software**
- Lauren Grindstaff ’24

**Tools**
- Isa Gutierrez ’24

**Software**
- Siena Marois ’24

**Software**
- Jianna Reyes ’24

**Vision**
- Lauren Grindstaff ’24

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- Lauren Grindstaff ’24

**EMERGENCY POWER OFF**
Ensure Deck Crew safety with easy and efficient shutdown of the ROV.

**CUSTOM HANDLES**
Beluga features custom 3-D printed Polycarbonate handles to ensure safety during ROV launch and recovery.

**SHEATHED TETHER**
Beluga’s sheathed tether protects the ROV Power, Pneumatics, Communications Lines, and team members operating the ROV.

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