MATE ROV COMPETITION

MONTHLY NEWSLETTER

JAN 2025

MATE MASHUP

Kicking Off the 2025 MATE ROV Competition Season!

Hello MATE Community!

We here at MATE hope that you're ready to DIVE IN to the New Year and the 2025 competition season! In case you missed it—ALL 2025 Competition Manuals are available. If you haven't already, it's time to review the mission tasks and specifications, strategize, and start building!

But that's not all—the 2025 Competition Resources are rolling out fast! From parts lists and CAD models to prop building instructions and fly-through videos, we're making sure you have everything you need to prepare for a safe and successful season. Keep an eye on the 2025 Competition Resources page for the latest updates.

We're also excited to introduce MATE Discourse, a brand-new platform where you can connect with fellow competitors, mentors, and our expert team—including Competition Technical Manager Matthew Gardner—to get all your questions answered. (Past competitors — note that MATE Discourse is our new Forum Board, where you should post questions about mission tasks, rules, specs, deadlines, and more!)

And speaking of exciting news....registration is NOW OPEN for the 2025 MATE ROV Competition World Championship in Alpena, Michigan! Mark your calendars for June 17-21, 2025, and start making your travel plans—hotel rooms are filling up fast! (Registration for regional events will open as our amazing regional partners confirm event dates and venues!)

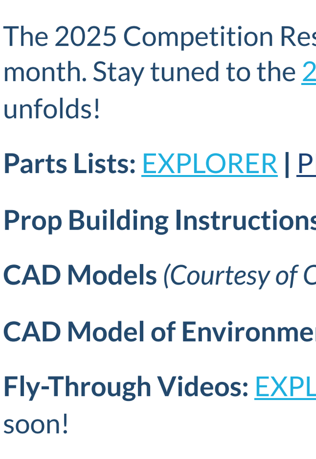
This season is shaping up to be incredible —and inspiring! We can't wait to see what you create.

See you in the water!

Jill Zande
MATE Executive Director | Marine Technology Society (MTS)

(And everyone here at Team MATE!)

ROV RADAR



REMINDER: ALL Class Competition Manuals Are Now Live!

The wait is over! 🙌

The 2025 Competition Manuals for the SCOUT and NAVIGATOR classes are now LIVE, completing the full set! All manuals are officially available - let the preparations begin.

SCOUT | NAVIGATOR | RANGER | PIONEER | EXPLORER

Resources, Resources, Resources!

The 2025 Competition Resources are rolling out! Here's a recap of what's been released this month. Stay tuned to the 2025 Competition Resources page for more updates as the season unfolds!

Parts Lists: EXPLORER | PIONEER | RANGER | NAVIGATOR | SCOUT

Prop Building Instructions: EXPLORER | PIONEER | RANGER | NAVIGATOR | SCOUT

CAD Models *(Courtesy of Oceaneering International)*: EXPLORER-PIONEER-RANGER

CAD Model of Environment *(Courtesy of UWROV)*: EXPLORER-PIONEER-RANGER

Fly-Through Videos: EXPLORER | PIONEER | RANGER | NAVIGATOR | SCOUT coming soon!

Product Demonstration Resources

Invasive Carp eDNA Handbook: EXPLORER-PIONEER-RANGER | NAVIGATOR-SCOUT

Sample eDNA Profile: EXPLORER-PIONEER-RANGER | NAVIGATOR-SCOUT

Sample eDNA Profile Key: EXPLORER-PIONEER-RANGER | NAVIGATOR-SCOUT

Dissolved CO2 Test Procedure: EXPLORER-PIONEER-RANGER | NAVIGATOR-SCOUT

Dissolved CO2 Test Video: EXPLORER-PIONEER-RANGER | NAVIGATOR-SCOUT

STAY AFLOAT

MATE ROV Competition is Now on Discourse!

Got questions about the 2025 mission tasks? Whether you're a student, teacher, mentor, or volunteer—we've got you covered! Sign up, post your questions, and get expert answers from our Competition Technical Manager, Matthew Gardner!

Visit MATE Discourse >>>



2025 World Championship Registration Now Open!

Exciting news alert! The doors to the MATE ROV Competition 2025 World Championship registration are now OPEN! Get ready to join us in the scenic Alpena, Michigan June 17-21, 2025. We can't wait to see you there!

Register for World Championship >>>



Book Your Hotel for the 2025 World Championship!

We've snagged some awesome rooms in Alpena, Michigan for the 2025 World Championship! RUN DON'T WALK - Move quickly and secure your reservations, as these rooms are in high demand and won't stick around for long.

Book Now >>>



Don't Forget - Team Requirement!

In order to use powered hydraulic or pneumatic tools on your ROV, your team must first pass the **Fluid Power Quiz**. The fee to take this quiz is $25 which allows your team five attempts to pass.

Learn More >>>



Feb 14: Prop Demo Q&A - Twitch

Mark your calendars! The 2025 Prop Demo Q&A is happening February 14 . Get a first look at the mission props, walk through the tasks, and get your questions answered live via Twitch! Stay tuned for more details.

Learn More >>>

(NOT SO) HIDDEN TREASURES



Marine Technology Society Scholarships 💰

Each year MTS awards significant scholarship funding to undergraduate and graduate students who are accepted into or enrolled in full-time marine-related programs (with a focus on marine technology, engineering, or science).

Deadline: March 18, 2025.

Learn More & Apply >>>



Marine Technology Society EMERGE Program

Kickstart your career journey with this unique MTS experience! The MTS EMERGE program is tailored to equip you with the skills and firsthand experience (attend OCEANS Great Lakes) to master the art of networking through a mentorship approach. **Deadline: March 18, 2025.** Learn More & Apply >>>

ROVolutionary MOMENTS



Making Waves: St. Francis High School Robotics Team

The MATE community loves to see teams breaking barriers, and St. Francis High School's all-girls robotics team is doing just that! With a growing team eager for the next challenge, St. Francis is proving that when given the right opportunities, young women thrive in marine technology and beyond. READ FULL STORY >>>

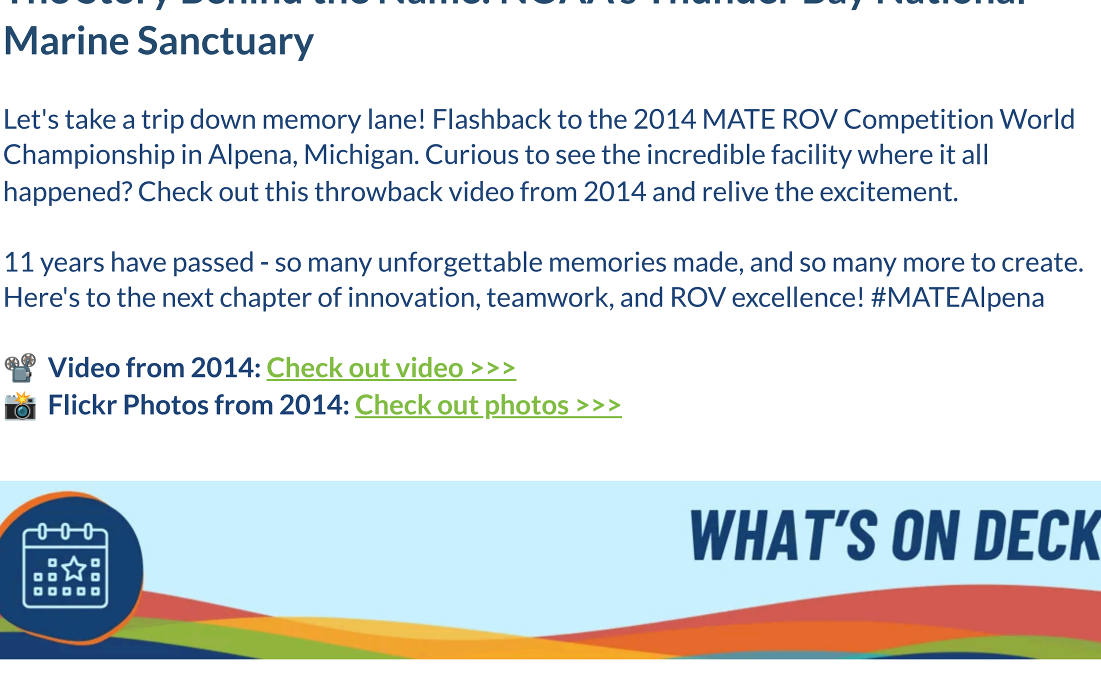
SEAS THE DEALS



Teacher Picks: SeaMATE Store Favorites for Hands-On STEM Learning

For educators looking to bring hands-on STEM learning into their classrooms, the SeaMATE Store offers a range of ROV kits that make engineering and marine technology accessible and engaging. This month, we're highlighting "Teacher Picks" from two experienced educators who regularly use SeaMATE products to inspire the next generation of problem solvers and innovators. READ FULL STORY >>>

FUN FACT



The Story Behind the Name: NOAA's Thunder Bay National Marine Sanctuary

Let's take a trip down memory lane! Flashback to the 2014 MATE ROV Competition World Championship in Alpena, Michigan. Curious to see the incredible facility where it all happened? Check out this throwback video from 2014 and relive the excitement.

11 years have passed - so many unforgettable memories made, and so many more to create. Here's to the next chapter of innovation, teamwork, and ROV excellence! #MATEAlpena

📽️ **Video from 2014:** Check out video >>>
📸 **Flickr Photos from 2014:** Check out photos >>>

WHAT'S ON DECK

Upcoming Events

April 19-20: Bengaluru India Regional | REGISTER
April 25-27: Alabama Northern Gulf Coast Regional | REGISTER
April 26: California Monterey Bay Regional | REGISTER
April 26: Illinois Midwest Regional | REGISTER
May 1-3: Newfoundland & Labrador Regional | REGISTER
May 10: Texas Regional | REGISTER
May 17: Washington Olympic Coast Regional | REGISTER
June 19-21: World Championship - Alpena, Michigan | REGISTER

Regional dates and registration coming soon!

Stay in the Loop with MTS Events!

Looking to dive deeper into the marine technology community? Explore exciting webinars, workshops, and conferences happening throughout the year. Check out the full MTS Events Calendar to discover opportunities to connect, learn, and grow with professionals and students worldwide!

👉 MTS Events Calendar >>>

MTS, One Thomas Circle, Suite 700, WASHINGTON, DC 20005, United States

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