

Team Overview – Midyear Submission



**NORTHERN
ARIZONA
UNIVERSITY**

NAU Marine Energy Collegiate Competition

Aiden Lee
Asher Aspili
Elijah Woolridge
Haakon Pedersen
Justin Patterson
Patrick Grosse
Taseen Chowdhury
Tyler Prough

Faculty Advisor
Carson Pete

Word Count

The W.A.T.T.E.R (Wave and Tide Tech for Energy Recovery) team is from Northern Arizona University in Flagstaff Arizona. The team consists of eight members: Aiden Lee, Patrick Grosse, Asher Aspili, Haakon Pederson, Taseen Chowdhury, Tyler Prough, Eli Woolridge, and Justin Patterson. This year is the first time NAU has participated in the MECC competition so there has been a steep learning curve. Luckily, our advisor Carson Pete has advised the NAU HCC and CWC teams for several years and has been instrumental in our team's success. For our design, we are creating a point absorber wave energy converter that will take the linear motion of the floating device and transform it into rotational motion for energy production. We want this device to be able to help solve the overreliance on fossil fuels in coastal regions. The team is mostly comprised of senior engineering students who are doing their capstone in this competition. We chose this as our capstone because it offered the most challenges and opportunities compared to other projects. Our team is most excited about getting out of our comfort zone not only by working on a project that hasn't been done previously at NAU but also by working on a project that requires us to find creative solutions.