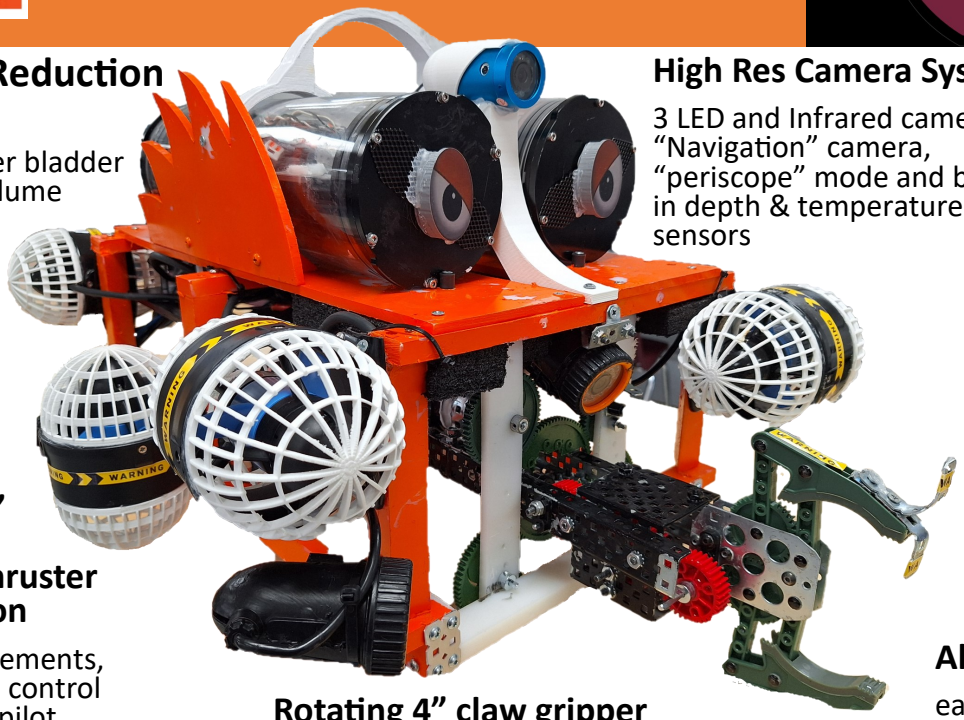
Brother Rice Robotics

“Battling for a Bluer Tomorrow”

10001, S. Pulaski Ave, Chicago, IL, USA

NEMO 2.0



Buoyancy Reduction Vessels

Innovative inner bladder reduces the volume of the WTE’s allowing 1kg in ballast to be removed.

High Res Camera System

3 LED and Infrared cameras, “Navigation” camera, “periscope” mode and built in depth & temperature sensors

Multiple Monitors

3 monitors, 2 large for precision claw work and 1 small monitor for navigation

“Tank Style” Control & Diamond Thruster Configuration

Precision movements, more intuitive control and a shorter pilot learning curve

Rotating 4” claw gripper

The “Swiss Army Knife” of grippers, it can rotate 90 deg, hook, grasp, push and pull

All in one cart system

easy transport and lightning setup and tear down

Crew Members

Sam Lapenas	‘24	CEO
Andy Andrade	‘24	CEO
JD Gamboa*	‘24	Lead Electric
Nic Dodsworth*	‘24	Lead Code
Max Griffin*	‘26	Lead CAD
Bobby Gilligan	‘24	Lead Mech
Elijah Lemay	‘24	Lead QC
Alex Kmak*	‘25	Lead Marketing
Dominic Lanuti*	‘26	Asst. Electric
Vince Walker*	‘26	Asst. Mech
Nick Smolek	‘24	Fabricator
Dan Hernandez	‘24	Fabricator
Jack Makuch*	‘26	Fabricator
Jack Tadevich	‘24	Fabricator
Oscar Roa	‘25	Fabricator
John Kruder	‘25	Fabricator
Nate Sears*	‘26	Fabricator
Dom McCann*	‘27	Fabricator
James Lapenas*	‘24	Fabricator
Derek Van Dyke		Club Mentor

* Denotes New Crew Member

Safety Features

Cart System—Low strain transport, neatly organized, simple setup
Warning Labels — Clearly identify danger areas
High Vis Color Scheme—Ideal for joint,/multi ROV missions
Thruster guards—IP20 rated and dome shape protect marine life
Tether—Webbed sheath & strain relief prevent damage and tripping
25amp fuse—Protects vital components from amperage overload
Wiring discipline—No bare wiring and organized wiring pathways

Weight	Size (cm)	Cost (US)	Student Hours	Travel
9.8kg	75L x 52W x 41H	$3677	1715	57km