



**ARIS**  
HYDRONICS

## Modular multi-function air-to-water HVAC and DHW heat pump systems for expedited and affordable home electrification

*Aris Hydronics Phase II Submission to the EAS-E Home Electrification Prize*

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Team Lead: Robert Benjamin Founder/CEO Aris Hydronics

Aris Hydronics addresses the critical barriers to electrification associated with the most significant energy end uses—heating, cooling, and domestic hot water. Over the course of the EAS-E competition Aris Hydronics collaborated with teaming partners possessing extensive expertise in building science, HVAC installation, modular building, energy modeling, and construction management for electrification. The ARIS Team undertook an expansive range of development and demonstration efforts including proto-type builds, testing, modeling, stakeholder engagement, and workforce development which advanced a suite of hard tech innovations and strategic business solutions related to all-electric combi air-to-water heat pump systems. The result is a solution that addresses many cost, performance, implementation, and equity issues particularly found in the Multi-family electrification.

*“Everyone should be afforded the ability to keep their home comfortable, livable, and safe - while not inadvertently contributing to a more unlivable world.”*

