AmmPower Corp. Completes Successful Testing of Demonstration Unit to Validate Product Technology

TORONTO, ON / ACCESSWIRE / July 25, 2022 / (CSE:AMMP)(OTCQB:AMMPF)(FSE:601A) / AmmPower Corp. (the "**Company**" or "**AmmPower**") is pleased to announce that additional operation of the IAMM™ (Independent Ammonia Making Machine™) demonstration unit (the "**Demo Unit**") is exceeding expectations.

Two AmmPower Engineers Operate the Demonstration Unit

The Demo Unit's performance has improved in multiple areas, from the start up sequence through shut down.

Start-up: Demonstrated a 40% faster ramp-up of temperature. This was accomplished by combining a new process gas heater with strategically placed localized heating elements. The ability to shorten the ramp-up time translates to less downtime and lower operating cost.

Heat Exchangers: AmmPower fabricated custom heat exchangers in-house, which outperformed the purchased ones that were used previously.

Insulation: Demonstrated a 15% reduction in heat transfer losses between components using new insulation strategies. Materials used were the result of testing in AmmPower's lab, which can replicate the Demo Unit's heat cycles.

Ammonia Monitoring: Gained ability to continuously monitor and record ammonia concentration using a nondispersive infrared (NDIR) sensor. Operator can switch between multiple sample ports during operation to evaluate performance in different areas of the machine.

Shutdown: Achieved a 90% reduction in time to depressurize the system. This was achieved by using special high-flow valving and fast-acting controls. Reducing pressure quickly without adversely affecting system components is an important safety aspect.

AmmPower's General Manager, Greg Barranger, states, "every improvement on the Demo Unit directly translates to our agricultural IAMM™ Unit. Our ability to rapidly develop the IAMM™ comes from following a parallel path of sub-scale demonstration and full-scale design work. We're maintaining a sense of urgency in everything we do because we know how important green ammonia is to the world."

AmmPower is performing all engineering, procurement, and manufacturing in their Novi, Michigan facility. Assembly of the first production IAMM™ unit is scheduled to commence in October 2022.

On Behalf of the Board of Directors
Gary Benninger, Ph.D.
Chief Executive Officer

About AmmPower
AmmPower is a clean energy company focused on the production of green ammonia. The Company is based in Toronto, Ontario, with a research and manufacturing facility in Southeast Michigan. The company is active in all facets of green ammonia production, including the production of green fertilizers, carbon free shipping fuel, and the 'cracking', or moving of green hydrogen as ammonia. The company is working on the development of proprietary technologies to produce green ammonia and green hydrogen at scale, including the investigation of unique catalytic reactions to bring down costs and to take advantage of carbon credits in the renewable energy space. AmmPower currently holds several LOIs with ports in Brazil, the United States, and is currently completing its IAMM™ prototype to create green ammonia for the agricultural industry. The company also holds a lithium exploration property in the James Bay/Eeyou Istche region of Quebec and an option on the Titan Property located in Klotz Lake area in Northwestern Ontario.

For More Information
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Forward-Looking Statements

This news release includes forward-looking statements that are subject to risks and uncertainties, including with respect to the Company's assembly of its first production IAMM™ unit. The Company provides forward-looking statements for the purpose of conveying information about current expectations and plans relating to the future and readers are cautioned that such statements may not be appropriate for other purposes. By its nature, this information is subject to inherent risks and uncertainties that may be general or specific and which give rise to the possibility that expectations, forecasts, predictions, projections, or conclusions will not prove to be accurate, that assumptions may not be correct, and that objectives,

strategic goals and priorities will not be achieved. These risks and uncertainties include but are not limited those identified and reported in the Company's public filings under the Company's SEDAR profile at www.sedar.com. Although the Company has attempted to identify important factors that could cause actual actions, events, or results to differ materially from those described in forward-looking information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. The Company disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise unless required by law.

The Canadian Securities Exchange (CSE) has not reviewed, approved, or disapproved the contents of this press release.

SOURCE: AmmPower Corp.