

LoT-NET Seminar

George Atkinson, STET, The University of Warwick

WARWICK

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Next-generation ammonia adsorption heat pump cycles and technology



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Principle of operation











Current work







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-Twall -Tcentre -Pressure



Plan of action (inline with MI timeline)

Jun ' 20	Jul	Aug	Sep	Oct	Nov	Dec
Large Temperature Jump tests on BaCl ₂ , CaCl ₂ , MgCl ₂ and any recommended mixtures by research partners						
MATLAB Mod	delling single sal	t (Ad/Desorptio	n) Salt	Exp. Vessel	LTS	HTS
MATLAB Modelling two salts						
Expansion vessels LTJ rig for dynamic testing of salts						Two-bed resorption heat pump
		Read	tor (Adsorbent hea	t exchanger)		design

Thank you for your attention

