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FOR IMMEDIATE RELEASE:

DELTA H® / Phillips Federal Commission Advanced Aerospace Heat Treating Furnace at Al Udeid Air Base

Doha, Qatar — DELTA H® and Phillips Federal Division have commissioned a state-of-the-art Defender Series heat treating furnace at Al Udeid Air Base, providing the U.S. Air Force with mission-critical capability to heat treat all aviation-grade metals used in aircraft maintenance. The dual-chamber system features:

- A radiant heat lower chamber (1,000°F–2,000°F, 12"W x 12"H x 48"D TUS volume) with inert atmosphere
- A convection heat upper chamber (200°F–1,200°F, 18"W x 12"H x 48"D) capable of rapid cooling from 1,000°F to below 200°F in under 30 minutes, allowing solution heat treating and aging (T6) in the same chamber before part freezing is required
- A dual-bath quench tank supporting both water and oil quenching
- Honeywell controls with MiniTrend recording, Instrumentation Type C (upgradeable to Type A & B), and secure batch data logging including soak times and quench delay recorded to 0.1 second to ensure full compliance and accountability

Commissioning included hands-on training and qualification of USAF Metals Tech personnel in system operation, AMS2750 compliance, TUS/SAT execution (via SuperSystems SDS 8120), pyrometry recordkeeping management, and heat treating fundamentals for aviation grade metals. Five outstanding Airmen were certified as Trainers to support ongoing instruction as well as many Airmen Operators.

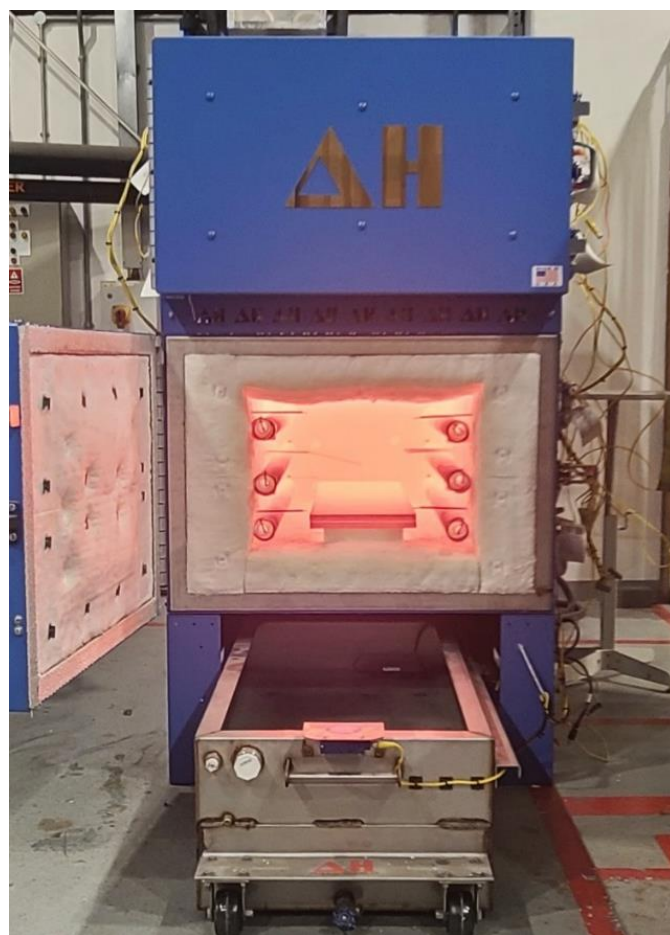
Final testing confirmed AMS2750 compliance with the convection chamber achieving Class 1 ($\pm 5^\circ\text{F}$) and the radiant chamber Class 3 ($\pm 15^\circ\text{F}$) uniformity. PMEL completed all calibrations, certifying the system for immediate aircraft parts processing.

DELTA H Director / CTO Richard Conway shares: "Mary and I were honored to work directly with the outstanding Airmen at Al Udeid - true professionals whose determination to master heat treating reflected their deep commitment to the mission. It was humbling to see our furnace system play a small part in supporting their readiness. In a time of growing uncertainty, DELTA H is proud to stand with our Warfighters on the front lines, providing the tools they need to defend freedom."

Phillips Federal Product Manager, USAF Retired, SMSgt, John (JD) Murray shares: "As a Retired USAF Aircraft Metals Technician with multiple deployments to my credit, I am overjoyed to see the deployed location receive the best equipment possible. DELTA H furnaces are essential to keep our aircraft flying, fighting, and winning."



**USAF Metals Technology Technicians – Al Udeid Air Base, Qatar
Qualified Heat Treaters for Military Aircraft**



**Defender Series Model DEF-DC-CH-121248/2000-CH-181248/1200-MIL
Al Udeid Air Base – Doha Qatar**



Al Udeid Air Base – Doha Qatar



**Richard & Mary Conway
DELTA H® TECHNOLOGIES, LLC**



**USAF Retired, SMSgt, John (JD) Murray
Phillips Federal Product Manager**



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