

## Building Integrity

Integrity. Defined as being in perfect condition. Helicopter turbine engines and their accessories are designed to perform to exacting tolerances mandated by the Original Equipment Manufacturer (OEM). Their overall performance depends on the precise fit, finish and quality of the parts that comprise them. Over the course of their life, those parts wear, tolerances increase, performance diminishes and the integrity of the engine or accessory is ultimately degraded. It is no longer perfect and requires a return to integrity.

Integrity. Defined as honest or sincere. At McTurbine, we take great pride and ownership in returning the integrity of your engine or accessory to the exact tolerances outlined by the OEM through our overall maintenance, repair and overhaul services. We want it to be perfect. But more importantly, we want our commitment to honest and sincere customer service, exceeding expectations and ultimate satisfaction to be value-added. We want to be perfect. So while we make every effort to build your engine or accessory's integrity, we also strive to build a perfect customer relationship through our integrity.

**Honeywell**

## Getting to Know Us

McTurbine is an authorized Honeywell and Goodrich Pumps and Engine Control Systems service center with over 15 years of maintenance, repair and overhaul (MRO) experience, and has serviced over 1400 engines currently in-service across a customer base of more than 300 operators worldwide. We provide all levels of repair including complete overhaul for Honeywell T53 and T55 engines, T53-L-703 and T5317 series conversions, as well as T53 fuel control units and governors and T700 engine Hydromechanical Units (HMU). Opened in 2007, our 40,000 square-foot, state-of-the-art facility in Corpus Christi, Texas was designed to provide a lean flow from



induction and disassembly through test cell operation, final servicing and shipping. Located in close proximity to the Corpus Christi Army Depot and Naval Air Station Corpus Christi, we are able to tap into a skilled and experienced labor pool, and employ a knowledgeable staff comprised of a mix of former government, government contractor, military, and commercially licensed airframe and power plant mechanics. In addition, McTurbine maintains an extensive and current technical data library. When combined, these assets allow McTurbine to offer unmatched knowledge and capabilities, provide for a better understanding of customer needs, and the ability to facilitate a quick, effective and efficient engine maintenance solution.

**GOODRICH**



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**McTurbine.** Building Engine Integrity.



# the T53



## How We Can Help You

As the owner/operator of a Bell Helicopter UH-1, AH-1, Huey II, Bell or Agusta 204/205, or Kaman K-Max®, you will eventually be faced with the decision of acquiring, overhauling or repairing their T53 engines, fuel control units and governors as their respective impending flight hour milestones draw near and performance wanes. An owner/operator of a T55 powered Boeing CH-47 or Bell 214B will face a similar decision, as well. No matter the make, no matter the model, no matter a military or commercial mission, McTurbine has the exact T53/T55 engine and accessory repair and overhaul solution to precisely fit your requirements, and help make those tough decisions a little easier.



## Engine Repair and Overhaul Service

At McTurbine, our specialized mechanics take ownership of your engine maintenance requirements from the moment your engine is received. Through disassembly, parts cleaning, Non-Destructive Testing (NDT) and detailed inspection, they perform a detailed and comprehensive analysis on the state of the engine. The overall time and distance the engine travels on the production floor is reduced by our facility design and lean processes, reducing turnaround time and maximizing efficiencies. We have invested in extensive NDT and machining capabilities and strive to repair rather than replace worn or damaged parts. Each engine is reassembled in accordance with current OEM overhaul and repair manuals.



Upon reassembly, the engine is tested on-site. Our engine test cell provides the capability to evaluate overhauled and repaired engines generating up to 6,000 shaft horse power (SHP). Strict parameters

are observed and recorded to ensure that every engine's integrity and ultimate performance meets or exceeds post overhaul specifications.



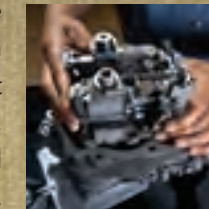
The test cell has received correlation approval from Honeywell. McTurbine's commitment to integrity and excellence extends beyond these sole engine MRO services to providing customers competitive prices, fast turnaround times, field service, 24-hour support, training, and a 2-year/1,000 hour warranty.

## Accessory Testing and Repair Service

McTurbine operates modern, on-site, test benches, and automated test cells for pre-induction and post-maintenance testing. We also provide non-destructive, flow, electrical and pneumatic testing. Our capabilities include the overhaul and functional testing of gear boxes for the T53 engine. As an OEM authorized facility for



the overhaul and testing of T53 fuel controls and governors, we provide calibrated and correlated test benches to compare your accessories' condition to OEM standards. Our test capabilities include hydraulics, fuel controls, fuel manifolds, oil pumps, bleed band actuators, electrical harnesses and components and anti-ice valves. Additional on-site services include tooling manufacture, certified complex machining and welding, and dynamic balancing.



## Parts Service

We understand a solitary part with compromised integrity can keep you from performing your mission or conducting your business, and the resulting importance of providing the right part, at the right price, the first time. As an authorized



Honeywell and Goodrich Pumps and Engine Control Systems parts distributor for T53 and T55 engines and their accessories, we maintain an extensive inventory of approved parts for sale at highly competitive prices. All parts are quality controlled, inspected and have full OEM approval and certification. McTurbine's Aviation Management Inventory System (AMIS) provides fully automated parts tracking and accountability,

and ensures you receive the right part at the right price when you want it, where you want it, the first time.

## Quality Assured

Our repair and overhaul processes incorporate the stringent standards you would expect from a world class OEM authorized facility. McTurbine's reputation for quality is second to none with both military and commercial operators. The integrity and effectiveness of our quality systems are validated by the awarding of repair station



certificate MCWR362K by the Federal Aviation Administration (FAA), and approval by the European Aviation Safety Agency, (EASA). McTurbine's quality control program conforms to ISO/ANSI 9001:2000, AS9100, and meets established Defense Contract Management Agency (DCMA) product assurance requirements as well as Honeywell and Goodrich OEM standards.