



**T50A**

TRAIN THE WAY YOU FIGHT

**LOCKHEED MARTIN**   
We never forget who we're working for®



## LOWEST RISK AND ON TIME

This is a new era in military aviation. The F-22 Raptor and F-35 Lightning II, the world's only 5<sup>th</sup> Generation fighters, have advanced capabilities that have never been available before. Advanced pilot training is the key to taking advantage of them. The T-50A Family of Systems is purpose-built around 5<sup>th</sup> Generation thinking. There is no more effective or affordable way to train the next generation of pilots to fly, fight and win.

### Proven Performance

The T-50A delivers the fighter-like performance and capabilities needed to eliminate pilot training gaps. The T-50 has flown over 100,000 flight hours, trained over 1,000 fighter pilots, with high operational availability.

### Seamless Transition into 5<sup>th</sup> Gen Fighters

The T-50A is easy to fly – similar to the F-16, F-22 and F-35 – which helps avoid negative training and unnecessary sorties. The T-50A creates better pilots, faster and more cost-effectively by enabling student pilots to focus their airmanship skills on improved aero performance, digital flight controls/fly-by-wire and NextGen air traffic management systems, while operating from an anthropometrically-designed 5<sup>th</sup> Generation cockpit.



### Offloading / Downloading for Cost Effectiveness

The Republic of Korea Air Force's (ROKAF) T-50 training experience has proven that the aircraft yields better pilots in less time, with fewer sorties. The ROKAF uses the T-50 to reduce the number of required training flights in their KF-16 aircraft, which reduces operating costs and increases KF-16 fleet availability rates. The T-50A Ground-Based Training System (GBTS) contains an array of innovative technologies to provide the U.S. Air Force (USAF) with options for "offloading" aircraft training tasks into the simulation environment.



### Built-In Mission Flexibility

The T-50A aircraft configuration for USAF is based on South Korea's FA-50, which is currently in production. The FA-50, the most advanced version of the T-50, incorporates air-to-air and air-to-ground weapons, an avionics suite with an electronic warfare suite, a multi-mode radar and an advanced data-link. T-50A Embedded Training (ET) capability will emulate these and other "air combat" systems, sensors, weapons and threats.