



# STORM SHADOW/SCALP

## CONVENTIONALLY ARMED LONG RANGE DEEP STRIKE WEAPON

**Storm Shadow/SCALP is an air-launched long range, conventionally armed, deep strike weapon, designed to meet the demanding requirements of pre-planned attacks against high value fixed or stationary targets such as hardened bunkers and key infrastructure.**

Capable of being operated day and night in all weathers, the weapon offers a high precision mission planned deep strike capability. Storm Shadow/SCALP's exceptional accuracy is due to its advanced navigation system that combines INS, GPS and terrain referencing. After launch, the weapon descends to terrain hugging altitude to avoid detection. On approaching the target, its onboard infrared seeker matches the target image with the stored picture to ensure a precision strike and minimal collateral damage.

### **Platform integration**

Storm Shadow/SCALP is operated from Eurofighter Typhoon, Rafale, Mirage 2000 and Tornado. It is in service with the Royal Air Force, the French Air Force, the Italian Air Force and a number of export countries and has seen operational service in Iraq, Libya and Syria.

### **Operational advantages**

- **High survivability**  
Achieved through long stand-off range and low observability. Enemy ground-based air defence avoidance through sophisticated mission planning and long range. High levels of navigation accuracy through INS, GPS and Terrain Reference Navigation system.
- **Pinpoint terminal accuracy**  
Achieved through IIR seeker and Automatic Target Recognition (ATR).
- **Terminal effectiveness**  
Provided by high final dive and tandem warhead, precursor charge and a large explosive/kinetic energy penetrator. Warhead detonation options include airburst, impact and penetrative modes.



### Technical characteristics/specifications

- Weight:** 1,300kg
- Length:** 5.10m
- Propulsion:** Turbojet
- Navigation:** INS, GPS and Terrain Reference Navigation
- Warhead:** Blast/penetrator
- Range:** In excess of 250km

