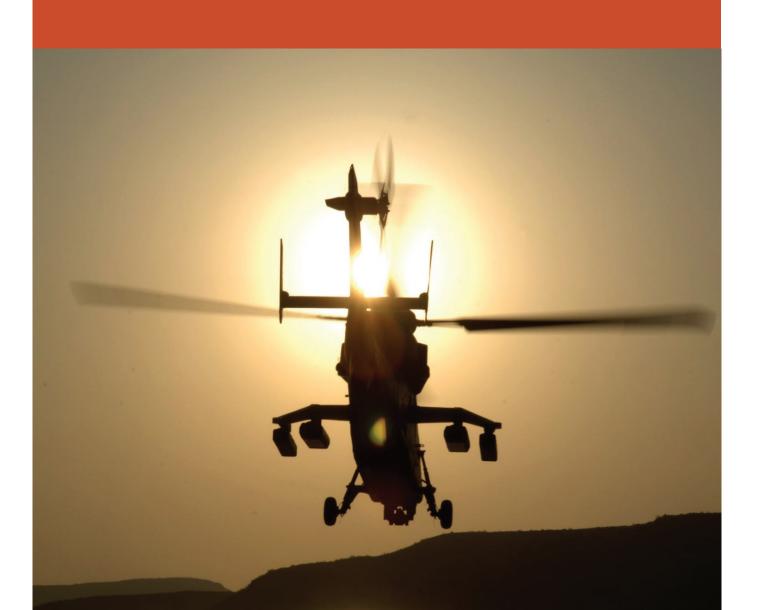
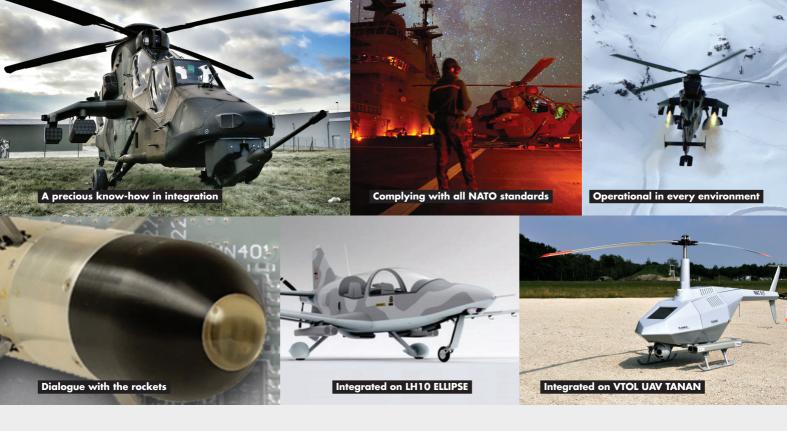


INDUCTION ROCKET SYSTEMS

- Rocket Launchers
- Rockets





TACTICAL EFFICIENCY

Safer and more accurate

The new generation of induction rocket systems delivers deep protection and attack solutions for all platform types, for developed armed forces, to the highest NATO standards

PRECISION CAPABILITY

- Unquided rockets three times more accurate
- Sub-metric precision for the guided rockets

UNPRECEDENTED LEVEL OF SAFETY

- Qualified to all safety hazards
- Neither hang-fire, nor misfire
- Integrated built-in test before motor ignition

JOINT CAPABILITY

- Muti-platform solutions (jet fighters, helicopters, light aircraft and UAVs)
- Ground or naval solutions feasible
- · Possibility of joint ammunition management

HIGHER STOCK KILL

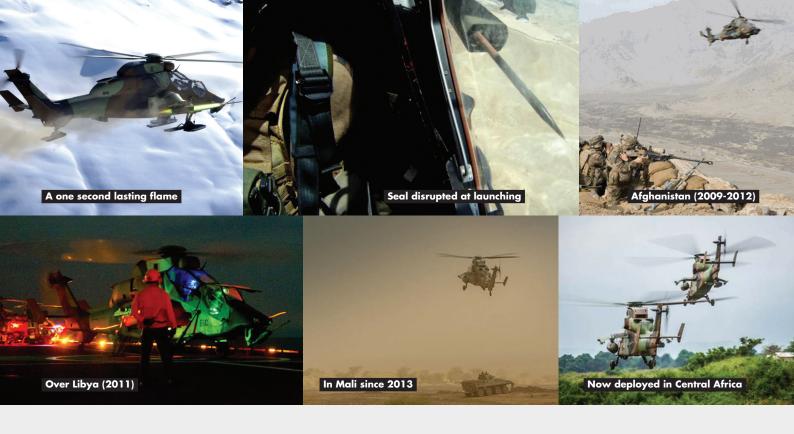
- Lighter rocket weight; 7,5 and 8,8 kg
- Rocket launchers: 2 to 22 tubes
- Combination of ammunition

INTELLIGENT FAMILY OF AMMUNITION

- In flight programmable HE Airburst and Laser Guided
- Modular and evolutive ammunition (IR, anti light aircraft and UAVs)

ENLARGED MISSION SPECTRUM

- From sea based to progressive and heavy rotation missions
- Qualified up to 100 hours flight time
- Laser guided with low collateral damage warhead



LOGISTICS FOOTPRINT BENEFITS

Less constraints and lower cost of ownership

The use of induction technology combined with digital open architecture brings new added value functionalities

MAINTAINABILITY AND AVAILABILITY

- Maintenance level 1,2,3
- 300 shots per replaceable tube
- No shelf life time limit

IMPACT ON PLATFORM MAINTENANCE

- No Foreign Object Damages (FODs)
- Reduced platform maintenance down time

Reduced planorin mannenance down line

INVIOLABLE ROCKETS

- Encrypted data exchange
- Impossible to use in other launchers
- Impossible to turn into Improvised Explosive Device (IED)

EASY LOADING

- Wireless, no connectors
- One operator without tools
- Loading by the rear

EMBARKABILITY

- Insensitive Munitions (IM)
- HERO, HIRF and thunder safe

GROWTH POTENTIAL

- Health Usage Monitoring System (HUMS)
- Automatic ammunition type recognition
- New digital Interface (1553,1760)





Appointed under the Trade Mark TELSON™, our family of rocket launchers is able to equip all types of existing flying platforms with the most modern rocket system in the world and shooting all the rockets presented in our catalogue

TELSON™ 12 JF



- → 12 INDUCTION ROCKETS
- → UNLADEN MASS: **85 KG**→ MULTI-DARTS ROCKETS: **175 KG**
- → MAXIMUM MASS: 191 KG
- → 14" NATO LUGG
- → DIGITAL INTERFACE TO PLATFORM

JET FIGHTERS

- Designed for the latest generation of jet fighters RAFALE or MIRAGE 2000 of DASSAULT AVIATION
- Adaptable on all the other jet fighters of this type
- Single or burst launching
- In flight programable and selectable rocket

TELSON™ 22



→ 22 INDUCTION ROCKETS

→ UNLADEN MASS: 65 KG → MULTI-DARTS ROCKETS: 230 KG → MAXIMUM MASS: 259 KG

TELSON™ 12



→ 12 INDUCTION ROCKETS

→ UNLADEN MASS:
 → MULTI-DARTS ROCKETS:
 133 KG
 → MAXIMUM MASS:
 149 KG

COMBAT HELICOPTERS

- All types of helicopters in service
- Capacity of the TIGER:
 - two 22 tube rocket-launchers
- two 12 tube rocket-launchers
- instant stock kill: 68 rockets
- Possibility to mix:
- guided and non-guided rockets
- rockets and air to ground missiles (e.g. HELLFIRE)
- rockets and air to air missiles (e.g. MISTRAL)
- or the three kind of munitions together

TELSON™ 8



→ 8 INDUCTION ROCKETS

→ UNLADEN MASS:
 → MULTI-DARTS ROCKETS:
 → MAXIMUM MASS:
 101 KG

LIGHT HELICOPTERS

- Specific rocket-launcher for light helicopters (e.g. GAZELLE type)
- Liaison helicopters
- Recce Helicopters

TELSON™ 2



→ 2 INDUCTION ROCKETS

→ UNLADEN MASS:
 → NON GUIDED ROCKETS:
 → MAXIMUM MASS:
 27 KG

LIGHT AVIATION

- Bi-tube rocket-launcher for light propelled aircraft
- LH 10 ELLIPSE of LH AVIATION
- Cheelaar of ISSOIRE AVIATION / ALKAN trigger
- Fixed-winged drones
- Rotary-winged drones, such as the TANAN of AIRBUS DEFENCE AND SPACE









Appointed under the Trade Mark ACŪLEŪS™, our induction rockets can be shot from any launcher of the TELSON™ family, individually on a punctual or moving target, or by bursts on a static surfacing target

Practice / Marking

ACŪLEŪS™ P AND P&M



- → RANGE: < 500 M > 5.000 M
- → 7,5 OR 8,8 KG

Practice

- Impact effect only (dust)
- Very low cost munition

Practice & Marking

- Practice
- Marking of target preliminary to a Close Air Support (CAS) action
- Production of a smoke screen

Multi-darts

ACŪLEŪS™ MD-36 AND MD-432

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- → RANGE: < 500 M > 5.000 M
- \rightarrow 7,5 KG

MD-36 (36 darts)

- Neutralization of light armoured columns of vehicles MD-432 (432 darts)
- Treatment of deployed troops and sensitive assets
- Mixing with HE-IMP and/or HE-MM possible

High Explosive

ACŪLEŪS™ HE-IMP AND HE-MM



- → RANGE: < 500 M > 5.000 M
- → 7,5 OR 8,8 KG

HE-IMP (IMPact)

- Destruction / Neutralization of sensitive elements HE-MM (Multi-Mode)
- Destruction / Neutralization of elements entrenched behind an obstacle ('Airburst' mode)
- Destruction / Neutralization of small infrastructure or vehicule in point detonating mode
- . Mixing possible with MD rockets

Laser Guided

ACŪLEŪS™ LG



- → SAL STANAG 3733
- → ONLY SUBMITTED TO FRENCH EXPORT CONTROL
- → LOCK-ON AFTER LAUNCH (LOAL)
- → RANGE: < 1.000 M > 5.000 M
- → RISK ESTIMATED DISTANCE ≤ 20M
- → 8,8 KG

- Sub-metric precision on static and moving target
- In flight programable rocket including laser code
- Seeker lense protected
- In flight built-in test before rocket motor ignition
- Low collateral effect warhead





THALES is a global technology leader in the Aerospace, Transportation and Defence and Security markets. In 2014, the Company generated revenues of $\in 13$ billion with 61,000 employees in 56 countries. With its 25,000 engineers and researchers, THALES has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements. THALES has an exceptional international footprint, with operations around the world working with customers and local partners.



Historical successor of the Société nouvelle des établissements Edgar BRANDT (SNEB) and of THOMSON BRANDT ARMEMENTS (TBA), TDA ARMEMENTS SAS, a wholly owned subsidiary of THALES, has over 100 years of experience in the weaponry sector. The company develops and manufactures mortar systems, rocket systems as well as warheads and pyrotechnic devices for missiles. 350 people work at the company's facility located in LA-FERTÉ-SAINT-AUBIN, south from ORLÉANS (Centre / France).



ARMEMENTS SAS, a century in service of our forces



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