Thales Vehicles & Tactical Systems (VTS BL) delivers to modern Land Forces robust and cost effective solutions offering protection for soldier mobility, precision when acting and reliable sovereignty services in vehicles and weapons fleets management, explosives and munitions.

VTS designs, manufactures and supports world-class military protected vehicles including the 7-tonne Hawkei and 11-tonne Bushmaster. VTS is a worldwide supplier of weapon systems and munitions including mortar systems, rocket systems, assault rifles, sub-metric precision munitions, small calibre to large calibres, hand grenades, smokeless propellants, airborne armaments and fuzes for all kind of munitions.

Furthermore, it is involved in active protection vehicle systems as well as base protection systems.

Pierre Benard  
VP Vehicles & Tactical Systems  
BL Head

Kevin Wall  
VP Vehicles & Tactical Systems  
BL Deputy
## CONTENTS

### PROTECTED VEHICLES
- Hawkei 4
- Bushmaster 5
- Vehicle Mission Systems (VMS) 6
- Vehicle service and support 7

### ARMAMENTS
- Telson Induction Rocket Systems (IRS) 8
- FZ 2.75” rocket systems 9
- 81 mm LLR mortar 10
- 120 mm RT & 2R2M mortars 11
- F90 assault rifles 12

### AMMUNITION AND MUNITIONS
- Smokeless propellant 13
- Military small arms ammunition 14
- Small arms ammunition components 15
- Induction rockets 16
- 2.75” rockets 17
- 81 mm LLR mortar projectiles 18
- 120 mm rifled mortar projectiles 19
- Munition fuzes and missile safety & arming devices 20
- Large calibre ammunition components 21

### PROTECTION
- SYPROPE 22
- COUNTER MOBILITY- ANTI TANK BARRIER SYSTEM 23

### CONTACT INFORMATION
- Vehicles & Tactical Systems contacts 24
Thales is delivering a new generation of protected vehicles. Hawkei meets the requirements of global defence forces for a highly protected, mobile and integrated vehicle able to operate in an environment under threat from improvised explosive devices, mines and small arms ambushes.

**CAPABILITY**

- New generation 7-tonne 4x4 protected vehicle
- Protects up to 6 occupants
- 3-tonne payload
- Highly effective across a diverse range of mission profiles
- Unparalleled levels of ballistic and blast protection in a helicopter transportable vehicle
- Integrated GVA-compliant Vehicle Electronic Architecture
- Hawkei is ready for current and future integrated C4I systems
- Vehicles you can trust with your life.

**APPLICATION**

Hawkei is designed for use by defence and security forces in a diverse range of roles including Troop Carrier, Command & Control, Liaison, Surveillance, Reconnaissance, Electronic Warfare.
Bushmaster is combat proven and has been successfully deployed by three armies on operations in a number of regions including the Middle East, Africa and the Pacific. Ongoing design enhancement, a wide range of user selectable mission equipment and mature through life support have ensured that the Bushmaster continues to meet evolving customer requirements.

**CAPABILITY**
- Combat proven 11-tonne 4x4 protected mobility vehicle
- Protects up to 10 occupants
- 4-tonne payload
- High levels of ballistic and blast protection
- Flexible multi-role platform with wide range of user selectable mission equipment
- Global support
- Vehicles you can trust with your life.

**APPLICATION**
Bushmaster is designed for use by defence and security forces in a diverse range of roles including Troop Carrier, Command & Control, Ambulance, Combat Engineer, Heavy Weapons Support, Mortar Carrier, Surveillance, Electronic Warfare.
**PROTECTED VEHICLES**

**VEHICLE MISSION SYSTEMS (VMS)**

Thales VMS solutions are based on pre-designed Vehicle Electronic Architecture (VEA), fully compatible with customer requirements and international standards. The core VMS structure is based on Generic Vehicle Architecture (GVA) and future NATO GVA (NGVA) standards. It is open platform and designed for growth and easy reconfiguration. Thales VEA provides high levels of availability with optimized weight, volume and power consumption. Thales VEA also takes into account system aspects such as safety, security, redundancy, configurability, maintainability and testability. Thanks to GVA multi-function displays, crew operations are simplified and all necessary command, control, monitoring and communications are accessible. VEA comes with all necessary equipment platform core resources for both hardware (including computers, network components, displays, power management, recording) and software (bridges, services, middleware and applications). VMS can be integrated into the Thales Bushmaster or Hawkei vehicles or third party platforms.

**CAPABILITY**

Thales Vehicle Mission Systems are optimized for use by defence forces engaged in a wide variety of missions. Vehicle capability is enhanced across variants including special forces, reconnaissance, command, liaison, ambulance, troops transport and many others.

It is based on:
- Architecture, audio, terminal: GVA DEF-STAN 23-09, NGVA STANAG 4754 (Draft), Data Model
- Video: DEF-STAN 00-82 – VIVOE, STANAG 4697
- Connectors: MIL-STD3899.
Thales Services & Support offers support services to protected vehicle fleets, vehicle systems or sub-systems, either as a simple service or as an integrated offer consisting of multiple services. Scalable and adaptable to meet the customer’s requirements, Thales’s services and support offering includes in-country Thales operated facility or sub-contractor facility; Fly-In Fly-Out (FIFO) teams with complete fleet management and through-life support management, either locally or from Australia; and training and upskilling existing in-country capability.

**CAPABILITY**
- Logistic Support Analysis (LSA)
- Reliability, Availability, Maintainability, Safety (RAMS) studies
- Customer documentation
- Customer training
- Obsolescence management
- Collection and analysis of experience feedback
- Consultancy or technical assistance
- Repair services for equipment or systems
- Contact service to the customer
- E-services online
- Spares, consumables materials management
- Support and Test Equipment (STE) management
- Equipment or systems deployment
- Management and supervision of software applications
- Service incident handling
- Availability and continuity of service monitoring
- Logistics chain management
- Customer asset management
- Equipment or systems dismantling
- Capability development to deliver services is an ongoing activity.

**APPLICATION**
Thales currently provides services and support, and fleet management services, to the Australian Defence Force fleet of Bushmaster vehicles at Thales sites in Queensland and Victoria.
The TELSON Induction Rocket System (IRS) is the most advanced rocket system in operation in the world and the only one fully utilising induction technology.

**CAPABILITY**
- Thales’s TELSON rocket-launchers can fire all of the induction rockets (unguided or guided) in the Thales’s ACULEUS product line
- Each tube is designed and guaranteed to fire at least 300 rockets, without interim maintenance and can be easily and quickly replaced by the user
- Compliant with NATO’s highest standards and resistant to the most severe electronic environments.

**PRODUCTS**
- TELSON 12 CA for Combat and Counter-Insurgency (CI) airplanes
- TELSON 22 (combat helicopters)
- TELSON 12 (combat helicopters)
- TELSON 8 (Liaison and Reconnaissance helicopters)
- TELSON 2 for light aircraft (drones, helicopters, light airplanes).

**APPLICATION AND SITES**
‘Combat proven’ and in service with the Army Aviation wings of France and Spain.
Thales offers complete integrated and easily maintainable 70 mm/2.75” ITAR-free air-to-ground rocket systems (international calibre) to customers and end-users. Our solutions are suitable across multiple platforms (helicopters and fixed wing aircraft) and cover the full spectrum of operational requirements from training to tactical deployment.

Range of products covers global rocket system including rockets (motors and warheads), rocket launchers (lightweight and metallic) and firing control systems. Thales also provides integration support, ballistic expertise, services and ILS through-life support.

**CAPABILITY**
- This rocket system provides lightweight launchers (aluminium or composite) including ammunition with long range and high terminal effects.
- The launchers are designed for fixed and rotary wing aircraft offering area saturation and pinpoint accuracy.

**PRODUCTS**
Rocket system 70 mm/2.75” includes:
- Firing control system
- Rocket launchers: 7, 12 and 19 tube (composite or aluminium)

**APPLICATION**
FZ rocket systems are operated on more than 20 different platforms worldwide such as Tiger (ARH, UHT and HAD), ALH, Denel AH-2 Rooivalk, A109, BAE Hawk 100-200, F-5 Tiger, F-16 Falcon.
The 81 mm Long, Light, Reinforced (LLR) mortar is a smoothbore tube launcher providing close fire-support to infantry troops in contact.

**CAPABILITY**
- Equips a combat Infantry company to react quickly and autonomously, able to rely on their own first level direct fire-support, before requiring support from Artillery, Army Aviation or Air Force
- Combat proven in difficult conditions, including Afghanistan, Mali and the Central African Republic. Infantrymen can rely on it every time, whatever the climate. Carriage devices (barrel, bipod and base plate) are available
- Insensitive Munitions (IM) option will be available soon.

**PRODUCTS**
- Operating specification: Extreme firing temperatures and technical requirements to STANAG 2895
- Deployment time: 2 min
- Maximum range: 5,700 m
- Minimum range: 200 m
- Rate of fire: up to 17 rounds/min for 2.5 min
- Firing mechanism: automatic or controlled
- Double load safety: Compliance with STANAG 4157
- Total weight: 45.2* / 42.6 kg
- Barrel: 18.3* / 15.7 kg
- Base plate: 14.6 kg
- Bipod: 12.3 kg
- Safety: Compliant with the STANAG 4110 with Thales ammunition.
The 120 mm Rifled/Towed (RT) mortar and the Rifled, Recoiled, Mounted Mortar (2R2M) provide efficient and very precise fire support to all the troops in contact.

**CAPABILITY**
- The 120 mm Rifled/Towed (RT) mortar is a perfect fire support weapon for the airborne, marine and mountain troops. It can be dismantled into three parts and transported in all kinds of aerial, maritime and ground vehicles.
- The 120 mm Rifled, Recoiled, Mounted Mortar (2R2M) is the best compromise between high mobility, high rate of fire and high protection for every crew member. It is thus a perfect weapon system to deploy during high intensity combat phases. It can also be operated autonomously in order to accompany and to protect convoys or to defend remote bases.

**PRODUCTS**
- 120RT mortar
  - Can be towed by every kind of vehicle.
- 120 mm Rifled, Recoiled, Mounted Mortar (2R2M)
  - Integration into several different types of armoured wheeled or tracked carriers
  - Rifled, recoiled mounted system
  - Compatible with the whole catalogue of 120 mm rifled ammunitions.

**APPLICATION**
The 120RT mortar is ‘combat proven’ and in service in twenty five countries, among them five NATO member nations. The 120 mm 2R2M is also ‘combat proven’ and in service in five nations.
The F90 is a military rifle designed to perform in the world’s toughest environments. The F90 delivers accuracy, reliability and adaptability for the modern war fighter.

CAPABILITY

The F90 is one of the lightest assault rifles on the market at 3.25 kg, enabling fast reaction times and rapid target acquisition, a clear advantage in close quarters combat. NATO standard rails and NATO ammunition interoperability provide adaptability for a wide range of mission profiles.

The F90 includes an integrated side loading 40 mm grenade launcher that can be attached in just a few seconds by the soldier – a potentially decisive capability providing flexibility on operations. The grenade launcher itself is equipped with a lightweight robust quadrant sight that ensures rapid target acquisition, can be used at night, and is compatible with night vision goggles.

<table>
<thead>
<tr>
<th>VARIANT</th>
<th>CALIBRE</th>
<th>WEIGHT</th>
<th>BARREL LENGTH</th>
<th>OVERALL LENGTH</th>
<th>CALIBRE GRENADE LAUNCHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>F90</td>
<td>5.56 mm</td>
<td>3.25 kg</td>
<td>407 mm</td>
<td>700 mm</td>
<td>NA</td>
</tr>
<tr>
<td>F90(G)</td>
<td>5.56 mm</td>
<td>4.10 kg</td>
<td>407 mm</td>
<td>700 mm</td>
<td>40 mm x 46 mm</td>
</tr>
<tr>
<td>F90M</td>
<td>5.56 mm</td>
<td>3.39 kg</td>
<td>508 mm</td>
<td>802 mm</td>
<td>NA</td>
</tr>
<tr>
<td>F90M(G)</td>
<td>5.56 mm</td>
<td>4.34 kg</td>
<td>508 mm</td>
<td>802 mm</td>
<td>40 mm x 46 mm</td>
</tr>
<tr>
<td>F90CQB</td>
<td>5.56 mm</td>
<td>3.2 kg</td>
<td>368 mm</td>
<td>661 mm</td>
<td>NA</td>
</tr>
</tbody>
</table>
Thales propellants offer the highest standards in accuracy, reliability and repeatability under varying temperature conditions. This wide range of military propellants is manufactured to the highest Australian and international standards, from a manufacturing facility certified to ISO 9001.

**CAPABILITY**

A world leader in solvent type single-base extruded granular propellant technology. These single-base propellants have excellent clean burning characteristics that minimise barrel fouling. They are designed to exhibit low temperature sensitivity with regard to ballistics and to maintain excellent accuracy and reliability over the extended working temperature range. Capabilities extend to the manufacture of a large range of solvent type extruded double-base, triple-base granular and stick propellants. All are subject to stringent inspection and testing to ensure uniformity and excellence. Laboratory analysis and ageing tests are conducted routinely during production in laboratories registered by the National Association of Testing Authorities (NATA).

**PRODUCTS**

- 5.56 mm M193/NATO SS109 and L110
- 5.56 mm/7.62 mm brass & plastic blank
- 7.62 mm NATO ball/tracer
- .50 cal ball
- 20 mm phalanx and M55 full and sub-calibre projectiles
- 30 mm DEFA air-to-air and air-to ground
- 40 mm Q/F For practice Mk6, practice Mk 1 and 1 A/T Mk4 and HE
- 81 mm mortar augmenting charges
- 105 mm Tank
- 105 mm Tank L7 For L35A3 or L56A1
- 105 mm Howitzer M2 & M4 Zones 1–2 for M67, HE shell
- 105 mm Howitzer M2 & M4 Zones 3–4 for M67, HE shell
- 105 mm Tank L7 HESH
- 105 mm Tank L7 APPSDS
- 5”/54 naval
- 155 mm Howitzer Zones 3–7 for M4A2.
Thales 5.56 mm, 7.62 mm and .50 calibre ammunition meets design parameters of the NATO STANAG requirements. It can be used in all 5.56 mm, 7.62 mm and .50 calibre NATO weapons, and is comparable to other in-service natures such as the FN SS109, US M855, M193 and US M80 ball cartridges.

CAPABILITY
Thales ammunition employs a specifically designed single base propellant with very low temperature coefficient of ballistics to ensure velocities and pressures remain consistent within variations in ammunition temperature (-54 C to + 80 C). The propellant is primarily nitrocellulose with added stabiliser and ballistic moderants. The propellant has extreme clean burning characteristics and is an excellent replacement for propellants exhibiting weapon fouling. The projectile comprises of a hardened penetrator and a lead slug enclosed in a gilding metal jacket. The ammunition can be shipped in packages conforming to UN recommendations for packaging of dangerous goods. The packages are classified as Hazard Division 1.4S, UN Number 0012, Proper Shipping Name – Cartridges for Weapons, Small Arms.

PRODUCTS
- 5.56 mm F1 Ball (SS109 type)
- 5.56 mm F1A1 Ball
- 5.56 mm F3 Blank
- 5.56 mm F193 (M193 type)
- 7.62 mm F4 Ball (M80 type)
- .50 cal F1 Ball
- .50 cal F3 Blank
- 300 Blackout Ball (Various)
- 7.62 F62 Tracer (M62 type)
- 5.56 mm Special Purpose
- 5.56 mm Training rounds including lead free.
AMMUNITION AND MUNITIONS

SMALL ARMS AMMUNITION COMPONENTS

Cartridge cases and projectiles for Original Equipment Manufacturer (OEM) customers.

CAPABILITY
➢ Capability to produce ammunition components to the most demanding standards.

PRODUCTS
➢ 5.56 mm
➢ 7.62 mm
➢ .50 cal
➢ 300 Blackout.
AMMUNITION AND MUNITIONS

INDUCTION ROCKETS

Distributed under the Trade Mark™ ACULEUS, Thales’s induction rockets.

CAPABILITY
Distributed under the Trade Mark™ ACULEUS, Thales induction rockets offer very precise and effective Close Air Support (CAS) or Close Combat Attack (CCA) capabilities:
• Training of the combat helicopter crews and of the Joint Forward Air Controllers (JFACs)
• Destruction/neutralisation of
  • columns of vehicles
  • light protected targets
  • mobile targets.

PRODUCTS
• Practice / practice and marking
• Multi-darts (36 or 432 darts)
• High Explosive (HE) IMPact or MultiMode (MM)
• Induction Laser Guided Rocket (ILGR)
• Length: 140 cm (HE is shorter)
• Weight: 7.5 kg or 8.8 kg (RIGL)
• Range: 1500 to 6000 m.

APPLICATION
‘Combat proven’ and in service in the French and the Spanish Army Aviation.
AMMUNITION AND MUNITIONS

2.75" ROCKETS

Thales air-to-ground rockets 70 mm/2.75” (international calibre) include unitary and sub-projectile warheads for use against point and area targets, providing the pilot with a lethal and lightweight weapon system with multi-mission capability extending the combat range, lethality and enhancing the precision effects of any platform. The rocket contains three main components: the rocket motor, warheads, and the associated point-detonating or remote-set fuze.

Versatile 70 mm rockets are widely used in highly advanced and combat/attack helicopters or aircraft in the world for different roles such as Combat Search And Rescue (CSAR), Close Air Support (CAS), Close Combat Attack (CCA), escort, ground fire support and armed reconnaissance. Associated large portfolio of ammunition covers various rocket motors and warhead types with scalable lethality with more than a 10 year shelf life.

CAPABILITY

- **Range:**
  - FFAR: up to 7.7 km
  - WA: up to 9.1 km
- **Temperature limits:**
  - Operational: -46° to 66°C
  - Storage: -54° to 71°C
- **Smokeless, non-corrosive**
- **Dispersion:** 3 to 8 mrd depending on the platform (fixed wings, rotary wings)
- **ITAR free.**

PRODUCTS

- Rocket motors with extruded double base propellant grain:
  - FZ67/FZ68 (FFAR)
  - FZ90 (WA)
- **Warheads**
  - FZ71 HE
  - FZ319 HE pre-fragmented
  - FZ120 Inert Practice
  - FZ181 Flash Signature
  - FZ336 Smoke Practice
  - FZ122 FLECHETTE
  - FZ149 MULTIDART
  - Guided rocket FZ275 LGR with HE

In response to new market requirements, Thales is finalising the development of a laser guided version of its rockets. The FZ275 LGR provides metric precision and is fully compatible with existing FZ rocket systems.
The 81 mm Long, Light, Reinforced (LLR) mortar is a smoothbore tube launcher meant to ensure the close fire support of the infantry troops in contact.

**CAPABILITY**
The catalogue of 81 mm ammunitions embraces the full spectrum of operational capabilities the troops in contact expect from a close fire support platoon:
- Destruction or neutralisation of protected targets
- Training of operators and observers
- Screening of own troops movements
- Illuminating of a wide area during a night operation.

**PRODUCTS**
- 81 mm High Explosive (HE)
- 81 mm PRACtice (PRAC)
- 81 mm Smoke (SMK)
- 81 mm ILLUMinating (ILLUM) 1 Mcd/45”
- 81 mm InfraRed ILLUMinating (IR ILLUM), 125 w/sr / 65”

- Length: 476 mm (ILLUM and IR) 449 mm (others)
- Weight: 3.81 (ILLUM & IR) to 4.3 Kg (others)
- Range: 4.800 m (ILLUM and IR) 5.700 m (others)
- Safety: Compliant with STANAG 4225 and 4157.

**APPLICATION**
In service in the infantry combat companies of the French Army.
Thales offers seven different, mission specific specialised shells for the 120 mm rifled mortar. In addition, a Mortar (Laser) Guided Munition (MGM) with sub-metric precision is currently in development.

**CAPABILITY**
The catalogue of 120 mm rifled ammunitions offers the full spectrum of operational capabilities that troops in contact expect from a close fire support unit:
- Destruction/neutralisation of protected or armoured targets
- Screening/masking of own troops’ movements
- Training of operators and observers
- Illuminating of a wide area during a night operation.

**PRODUCTS**
- High Explosive (HE)
- Anti-Armour (AAPC)
- Rocket Assisted Projectile (RAP)
- Smoke (SMK)
- PRACtice (PRAC)
- ILLUMinating (ILLUM)
- InfraRed ILLUMinating (IR ILLUM)
- Length: 897 to 918 mm
- Weight: around 19 kg
- Range: 7,700 m to 13,000 m (RAP).

**APPLICATION AND SITES**
The Mo 120RT is ‘Combat proven’ and in service in 25 countries, among them five NATO member nations.
The Mo 120RE is also ‘combat proven’ and in service in five nations.
The fuzing system provides operational performance, safety and flexibility to munitions and weapons.

- Fuzes for any munition, providing any type of functionalities (impact, proximity and time), using any technology
- Safety and arming devices and fuzing modules for missiles and complex weapons.

JUNGHANS Defence is an European leader in this domain, with tens of millions of fuzes delivered to major Armed Forces worldwide.

**CAPABILITY**

JUNGHANS Defence, provides a broad range of fuzes for munitions as well as safety and Arming devices for munitions and missiles.

JUNGHANS proposes fuzing products and fuzing solutions either directly to the end-user or to munitions manufacturers:

- Mechanical or electronic fuzes for any type of munitions
- Safety, arming and firing units for missile warheads, based either on mechanical, electro-mechanical or fully electronic technology.

JUNGHANS possesses all industrial and technical capacities in fuzing systems, from concept design and development to mass-production and transfer of technology proposals.

**PRODUCTS**

Proximity and multi-function fuzes, airburst fuzes, time fuzes, impact fuzes for munitions:

- Artillery
- Mortar
- Naval artillery
- Shoulder launched rocket
- Aerial bomb
- Air-to-ground rocket
- Tank ammunition
- Infantry grenade
- Medium calibre.

Fuzing modules for munitions, guided munitions, missiles.

Safety, arming and firing devices for missile warheads or motors and for torpedo warheads.
LARGE CALIBRE AMMUNITION COMPONENTS

Large calibre ammunition cartridge cases, primer tubes and projectiles for Original Equipment Manufacturer (OEM) customers.

CAPABILITY
Manufacture of large calibre ammunition components to meet design parameters of the NATO STANAG.

PRODUCTS
- 81 mm mortar
- 105 mm
- 4.5 inch naval
- 5 inch naval.
SYPROPE is a PEripheral PROtection SYstem (in French, SYstème de PROtection PErimétrique) assuring the safety of overseas military operating bases.

**CAPABILITY**
Finalised to equip Forward Operational Bases (FOBs) in Afghanistan, SYPROPE was deployed in South Lebanon, in Mali and in Central African Republic (CAR).

Centralised in a unique Command Post (CP), the information and the alerts result from various types of sensors: intelligent concertinas reacting to the pressure, to the uprising and to the displacement, low-shutters, daytime, infrared and thermal cameras. Very powerful beepers can dissuade intruders to pursue their action whereas an element of intervention is managed towards the place of the detected intrusion.

**PRODUCTS**
- Concertinas detectors:
  - Crushing
  - Uprising
  - Cut
- 360° camera:
  - One day sensor
  - Two IR thermal cameras, 360° in azimuth, +35° in elevation
  - 400 in distance
- Mast: between 2 and 10 m
- Detectors flaps:
  - Day camera
  - IR projector.

**APPLICATION AND SITES**
‘Combat proven’ and in service in the French Army.
COUNTER MOBILITY – ANTI TANK BARRIER SYSTEM

The unique combat proven counter mobility solution Anti-Tank Barrier System (ATBS) objective is to slow down or to stop the progression of tanks and armoured vehicles by deployment, in a complete reversible way, of ammunition (HPD2) to terrains or specific sites.

CAPABILITY
- Unmatched-stopping-capability barrier with a reduced number of High Performance Destruction (HPD2) ammunition: reduction factor greater than 4 (short term saving)
- Hence allowing more rapid deployment
- More efficient barrier thanks to triggering inhibition capability for close passing vehicles
- Minimum logistic footprint and human resources
- Significant reduction of barrier deployment duration thanks to use of the Self Propelled Automated Laying System of ammunition: 1 hour to lay/bury 400 munitions with 2-operator crew.

PRODUCTS
- Full-width operation against heavy or light armored vehicles, tracked or wheeled
- Hardened against countermeasures
- Strike optimized by target pattern and independent on vehicle velocity and direction
- No remnant danger after operation
- GPS based tools to allow a quick deployment and retrieval of ammunition
- Compliant with CCCW (Convention on Certain Conventional Weapon).
PROTECTED VEHICLES

Paul Harris
+61 (0)466 655 383
paul.harris@thalesgroup.com.au

Thierry Cavelier
+33 (0)6 85 92 85 03
thierry.cavelier@thalesgroup.com

F90 ASSAULT RIFLE

Ben Jones
+61 (0)481 010 543
benjamin.jones@thalesgroup.com.au

Peter McLeod
+61 (0)478 497 358
peter.mcleod@thalesgroup.com.au

INDUCTION ROCKET SYSTEMS & AMMUNITIONS

Matthieu Krouri
+33 (0)6 45 14 62 43
matthieu.krouri@thalesgroup.com

2.75” ROCKET SYSTEMS & AMMUNITIONS

Matthieu Krouri
+33 (0)6 45 14 62 43
matthieu.krouri@thalesgroup.com

MORTAR SYSTEMS

Denis Perthuis
+33 (0)6 73 99 86 85
denis.perthuis@thalesgroup.com

SMALL ARMS AMMUNITIONS, AMMUNITION COMPONENTS & PROPELLANT

Duncan Watt
+61 (0)466 378 288
duncan.watt@thalesgroup.com.au

MUNITION FUZES AND MISSILE SAFETY & ARMING DEVICES

Max Perrin
+33 (0)6 08 36 73 41
max.perrin@junghans-defence.com

PROTECTION

Denis Perthuis
+33 (0)6 73 99 86 85
denis.perthuis@thalesgroup.com