# Thales in Romania

2024

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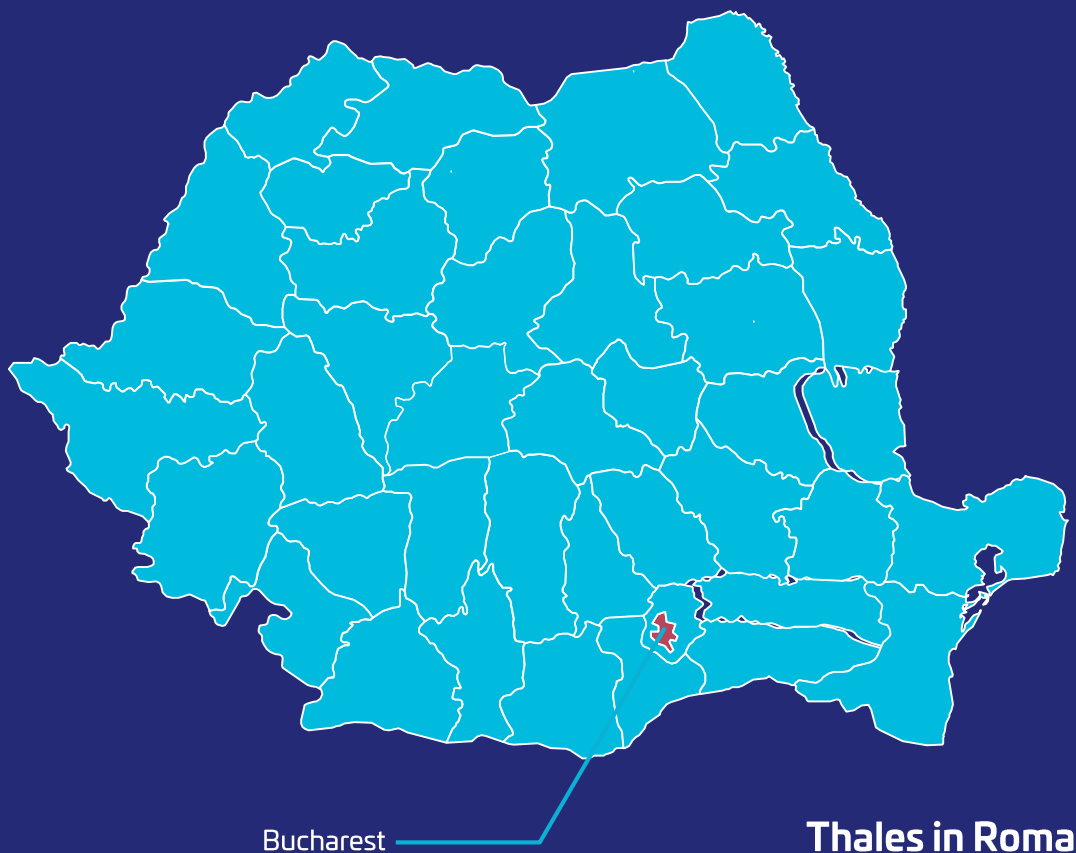



## Thales in Romania:

- A presence for over 20 years
- Over 500 employees, mostly engineers
- Location: Bucharest

# Key Highlights:

## Defence

- Successful partnership with the Romanian military and defence industry for more than 20 years
- Over 3000 tactical radios built locally and delivered to the Romanian Armed Forces
- Supplied an airborne anti-submarine warfare system
- Supplying IFF (Identification Friend or Foe) technologies to the majority of air, ground and naval military platforms in Romania

## DIS

- Romanian electronic passports including enrolment & personalization equipment and application
- Passport readers for government and commercial applications
- 2nd Generation Tachograph digital cards for local drivers
- Collaborating with mobile network operators since the inception of mobile telecom services in Romania supplying SIM cards, MIM cards and services for eSIM
- Support for core government solutions, e.g. qualified certification, ID solutions, domestic payment and money transfer solutions

## Science & Technology

- Start-up and implementation of electronic IDs in Romania
- Partner in developing global as well as local space projects and initiatives within telecom, satellite navigation systems and software for climate monitoring
- Involved in the European ELI-NP (Extreme Light infrastructure-Nuclear Physics) laser research project
- Providing Romanian partners with a high-power laser system that will deliver the highest power in the world, 2x10 Petawatts (i.e. 20 million billion watts)

# Thales in Romania – Factsheet

**Thales has been present in Romania for more than 20 years, which began decades ago as a supplier to the Romanian armed forces. Over the years, the Group has grown and diversified its portfolio of activities to cover other major markets of the Group.**

**Thales expanded its local expertise in 2019 by setting up the Romanian Engineering Competence Centre (ECC), a transversal entity supporting most of the Group businesses in delivering competitive solutions. The ECC has progressively grown over the years to over 500 engineers at the end of 2023. Today it serves as a regional hub for the Group's software development needs, as well as activities in hardware, operations, maintenance and training.**

**As a global technology leader, Thales has the capabilities to address new challenges and new opportunities ahead in Romania. With its engineers and researchers, Thales has unparalleled capability to design and deploy equipment, systems and services to meet the most complex security requirements.**

Credit: Thales Group.

# Local cooperation

Thales is committed to becoming an important technological partner for Romania, through successful collaborations in ongoing large programs on Naval, Space, Land & Air defence, as well as aviation, cybersecurity and biometrics.

Since 2019, Thales Romania has established strategic partnerships with Politehnica University of Bucharest on CSR projects for education aiming at developing young talents while building technical competences and skills for the future within its well established Internship Programme dedicated to students and early graduates.

By building the best local partnerships, customer intimacy and delivering competitive local industrial and development capabilities, Thales Romania has and will continue to decisively contribute to successful strategic programmes.

As an example, Thales provided the ELI-NP (Extreme Light Infrastructure-Nuclear Physics) research facility with the most powerful laser system in the world (2x10 PetaWats). The team in Romania directly contributed to the installation of the system, and a mixed French-Romanian team is operating this unique scientific instrument ever since.

# Activities

## Defence

As a trusted partner of the Romanian armed forces, Thales has supplied various military systems, from tactical radios to encrypted military telecommunications solutions and underwater technologies embedded into naval, land and air platforms.

Thales' cooperation with the Romanian defence industry began with the manufacturing and development of Panther and Jaguar family of tactical radios. The collaboration dates back to 1996, when through a significant transfer of technology process, over 3000 tactical radios were built for the Romanian Armed Forces. Since then, these radios were successfully operated by the Romanian military in NATO, EU and international missions such as Iraq and Afghanistan.

In 2013, the Romanian Navy selected Thales to supply an airborne anti-submarine warfare system, which was fitted onboard the Puma Helicopters operated onboard the Type 22 Frigates, providing a significant capability multiplier for the NATO presence in the Black Sea.

Credit: Thales Group

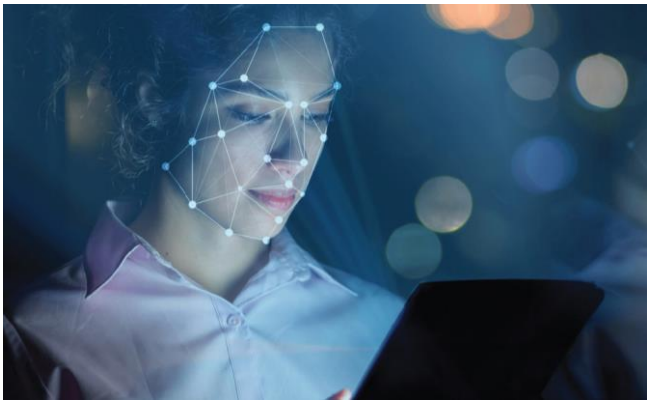
Continuing the successful partnership with the Romanian military and industry for more than 20 years, a long-standing cooperation with Aerostar SA has evolved into a Key Industrial Partnership, where Thales has supplied Identification Friend or Foe (IFF) technologies to the majority of air, ground and naval military platforms in Romania.

Thales is also a leading supplier of Hardware Security Modules to protect data transfers in the Romanian Government and Critical Infrastructure.

Thales is committed to becoming the national technological leader by helping the Romanian Government to master every decisive moment, based on the current ongoing large procurement programmes, fostering closer ties and business partnerships for the ongoing Class II NATO UAS competition.

We continue to cooperate with the Romanian military and academic establishment as a local entity in the European Defence Fund initiatives, where Thales Romania is ideally positioned to leverage not only its local human and technological resources, but also the Group's wider global footprint.

## Digital Identity & Security



Credit: Thales Group.

## Identity & Biometric Solutions

In the civil identity sector, Thales offers end-to-end Identity & Biometric Solutions (IBS). This includes secure documents, robust identity solutions and services that address government programs for ID management and road safety, eGovernment/mGovernment infrastructures for trusted eServices, as well as border and visa management requirements. Thales also addresses public safety and law enforcement challenges, offering best-in-class forensic solutions.

Thales Romania delivers all the raw materials for the Romanian passport production along with support and maintenance services, including blanks production, enrolment and passport personalisation. Thales Romania also supplies optical document readers for border control. Furthermore, Thales Romania delivers finished smartcards for Romanian Digital Tachograph use.

The company's products and solutions are deployed in over 200 active civil identity programmes worldwide, with specific expertise in secure document issuance, biometrics, document readers, authentication, ID management and data protection.

The Regional Delivery Centre located in Bucharest deploys, services and maintains Secure Document Issuing systems as well as Automated Fingerprint Information Systems. To date, the local team has been involved in deploying 20+ projects worldwide.

## Banking & Payment Services

Credit: Thales Group

Thales offers services for financial institutions in the Banking & Payment Services (BPS) unit. The world of financial services is changing fast and consumers are looking for evermore personalised, convenient and secure ways to pay, communicate and interact with their banks and accounts. Today, we provide the Romanian banking sector with a wide range of secure digital banking, cards and digital payment solutions meeting and exceeding these demands.

## Mobile Connectivity Solutions

All around the world, Thales works with hundreds of mobile network operators, original equipment manufacturers and other service providers to deliver seamless connectivity across cellular networks, and strong digital identities for both people and connected objects. Since the beginning of mobile communications, we have brought trust to the mobile ecosystem by authenticating users and devices to mobile networks. Now that most people have at least one mobile device, we increasingly help operators support their customer relationships right from service sign-up. In Romania, we are working primarily with mobile network operators since the inception of mobile telecom services, supplying them with SIM cards, MIM cards and services for eSIM.

## Cloud Protection & Licensing

Thales is also well known for providing advanced data protection consisting of two areas: identity and access management solutions, and encryption with advanced key management solutions. Awareness of our solutions is not only reserved for finance & public/government market. We are also present in the e-commerce market as providers of critical infrastructure and ICT solutions. Our products support core government services, e.g. ID solutions provided by the qualified certification authorities, domestic payment and money transfer solutions.

# Science & Technology

Thales' international growth strategy is based on the development of world-class expertise as close as possible to its customers.

In the field of science and technology, Thales team in Romania is involved in the European laser research project ELI-NP (Extreme Light Infrastructure-Nuclear Physics), being responsible for the turnkey development and supply of a complex scientific instrument.

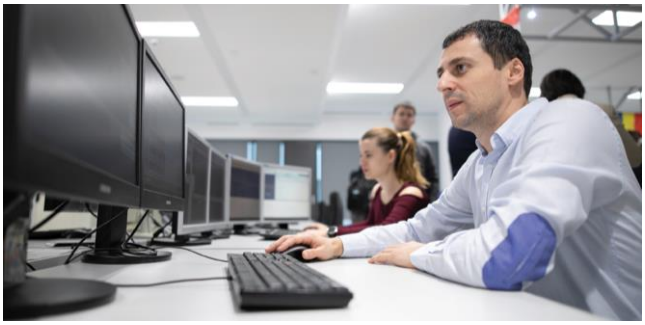
Thales joined ELI-NP programme in 2013 to develop the High-Power Laser System (HPLS), the most powerful system of its kind in the world, capable of laser shots at 2 x 10 petawatts (2 x 10 million billion watts), achieved in March 2019. In November 2020, this laser delivered its first compressed 10 petawatt pulses through the beam transport to the experimental chambers, reconfirming Thales as the world leader in high power lasers.

At the end of 2022, Thales started adaption of its laser system to the needs of Marvel Fusion, the first private company to enter into a scientific collaboration with ELI-NP.

Over these years, the High-Power Laser System (HPLS) proved to be the core instrument of a unique new advance technology and fundamental research facility in nuclear physics.

Thales has also developed a special technical and scientific training programme to train our local engineers and technicians to install and operate the system for European research programmes.

## Engineering Competence Centre



Credit: Thales Group.

In 2018, Thales Group decided to further expand its presence in Romania through the development of a Groupwide Engineering Competence Centre (ECC) as part of Thales Romania, reinforcing its position as a leader in all its markets.

The ECC delivers software development solutions in a number of core Thales business areas, from space and defence, to security and aeronautics.

The Romanian ECC's main focus is delivering on projects and improving existing solutions. With cybersecurity being a very important asset in any application, whether public, private or hybrid, Thales' engineers are focusing their attention on this aspect now more than ever. As a long-term target, Thales Romania aims to be a key contributor within AI (Artificial Intelligence), IoT (Internet of Things) and Digitalisation.

# Notes