

## Thales demonstrates the critical role of Artificial Intelligence in decisive moments

- Since 2014, Thales has invested nearly 7 billion euros in digital technologies, particularly in the areas of connectivity, Big Data, cybersecurity and Artificial Intelligence (AI).
- Artificial Intelligence and its opportunities in the aerospace, space, ground transportation, defence and security sectors will be the theme of the second Thales Media Day event in Montreal.
- Professor Yoshua Bengio, Founder and Scientific Director of MILA (Montreal Institute for Learning Algorithms), and Patrice Caine, Chairman & CEO of Thales, will speak at this global event, which will be broadcasted live on the Group's YouTube channel.



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**Thales invests 20% of its annual revenues in R&D. After the first Thales Media Day dedicated to cybersecurity, which is an essential component of digital transformation, Thales is now demonstrating specific examples of the impact of Artificial Intelligence in decisive moments. The event is being held in Montreal, Canada and simultaneously in France, the UK, Spain, Germany, the Netherlands and the Middle East.**

Canada is a global leader in Artificial Intelligence, a sector that sees Montreal in particular, as a fast developing hub. The government of Canada, Province of Quebec and City of Montréal are working to expand and develop an already vibrant talent pool. To facilitate partnerships and encourage research, Thales has opened both its North American Digital Factory and the latest in its global network of laboratories for Artificial Intelligence research and technology in Montreal. Today, Thales has nearly 50 AI experts working in Canada and another 150 AI experts at its major research centres in France.

AI is ever more present in our daily lives. At the Thales Media Day event, Thales will demonstrate how AI can help the world meet the challenges of the future and enable humans to make better decisions in decisive moments while retaining a central role in the decision-making process. At Thales, Artificial Intelligence must be trustable, explainable and certifiable.

On Thursday January 24, 2019, Thales will demonstrate specific examples of the role of Artificial Intelligence in its technologies in Montreal. In addition to demonstrations of its products and

solutions for the future, the event will include a series of round tables with leading experts from the French National Centre for Scientific Research (CNRS), IVADO, the Université Laval in Quebec, Defence Research and Development Canada, the French national rail operator (SNCF) and Microsoft.

**Round tables will focus on the following topics:**

1. AI in transport: Welcome aboard the trains and planes of the future!
2. AI in defence: How can we help humans make better decisions?
3. Digital technologies and ethics: How can we make AI ethical and responsible?
4. Live from the Thales research and technology laboratory in Palaiseau!
5. Using AI in the cities of the future to serve citizens.
6. How can we make AI trustable, explainable and certifiable?
7. How is AI going to improve cybersecurity?

**Demonstrations will cover all of Thales's markets:**

1. Tomorrow's air traffic controllers better trained thanks to AI,
2. Intelligent video analytics for urban transportation,
3. Objective Mars: AI is powering the human Eye on the Red Planet,
4. Your personal entertainment system at 40k Feet,
5. AI in Thales smart sensors servicing all intelligence actors,
6. Applying AI to medical imaging. Letting practitioners get on with the most essential part of their job, the patient,
7. Rail transport: from automation to autonomy, stress free journeys thanks to AI,
8. Human Performance Monitoring: How AI improves training efficiency of helicopter pilots.

On Friday, January 25<sup>th</sup>, Thales will make an important announcement with CENTECH, Quebec's largest start-up incubator.

*"Artificial Intelligence will soon be at the centre of all of our daily lives. Our customers in the aerospace, space, ground transportation, defence and security sectors are in charge of systems that are critical to the security of our societies, so it is vitally important to ensure that AI works as intended, to explain why it behaves in a given way, and to verify its use. That is why Thales is committed to making AI trustable, explainable, certifiable and ethical."* **Patrice Caine**, Chairman & CEO, Thales.

**On January 24<sup>th</sup>, on the Thales' YouTube channel will be broadcasted live:**

- **2.45 pm – 3.50 pm / CET time:** Plenary session between Patrice Caine and the Professor Yoshua Bengio,
- **3.55 pm – 4.30 pm / CET time:** "Live from the Thales Research and Technology Laboratory in Palaiseau" round table,
- **4.35 pm – 4.55 pm / CET time:** "Tomorrow's air traffic controllers better trained thanks to AI" demonstration.

## ➤ About the Thales Digital Factory

In June 2017, Thales launched its Digital Factory in Paris as a fully fledged digital platform with a mission to accelerate the digital transformation of Thales and its customers. The Digital Factory operates in start-up mode, acting as a catalyst for the Group's digital transformation. Based on the principles of the lean start-up, it leverages advanced expertise in software development, UX/UI design, data science and cybersecurity, using agile working methods that are systematically driven by the user experience.

The Digital Factory now has locations in Montreal and Singapore and a total of 250 employees.

## ➤ Thales in Canada

A national leader in research and technology, Thales in Canada combines its more than 50 years of experience with the talent of 1,800 skilled people located coast-to-coast. With revenues of \$500 million, Thales in Canada offers leading capabilities in the urban rail, civil aviation and defence and security sectors that meet the needs of customers' most complex requirements across every operating environment.

## ➤ About Thales

The people we all rely on to make the world go round – they rely on Thales. Our customers come to us with big ambitions: to make life better, to keep us safer. Combining a unique diversity of expertise, talents and cultures, our architects design and deliver extraordinary high technology solutions. Solutions that make tomorrow possible, today. From the bottom of the oceans to the depth of space and cyberspace, we help our customers think smarter and act faster – mastering ever greater complexity and every decisive moment along the way. With 65,000 employees in 56 countries, Thales reported sales of €15.8 billion in 2017.

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