

## Disruptive Breakthrough Research

We establish ambitious goals, take risks to discover and nurture innovative and groundbreaking science and technology, and conduct unprecedented research to develop new functions and technologies that are not simply extensions of the past.



## Spin-on Based Breakthrough Research

We conduct research to develop the functions and capabilities needed for future conflicts as soon as possible by integrating various technologies possessed by enterprises and other organizations.



**ATLA**

Acquisition, Technology &  
Logistics Agency



**Acquisition, Technology & Logistics Agency (ATLA)**

<https://www.mod.go.jp/atla/en/index.html>

## Location

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# Acquisition, Technology & Logistics Agency

## Research and Development





# Going forward with innovation

## The Research on Hypersonic Guided Missiles

We are conducting research on hypersonic guided missiles, which can fly from outside the target's threat zone and are difficult to intercept as they travel at hypersonic speeds (Mach 5 or higher). ATLA accelerates research to realize the equipment as early as possible.



## The Research on High-Energy Lasers

We conduct research on high-energy laser systems that can shoot a high-energy laser to damage a target instantly.



## The Research on UGV Technology

We conduct research on Uncrewed Ground Vehicles (UGVs) for the objectives to use in reconnaissance, warning, and material transport, which can be operated autonomously on unpaved and uneven terrain, in situations where maps cannot be used, and in situations where Global Navigation Satellite System (GNSS) such as GPS cannot be used.



## The Development of the Next-Generation Fighter Aircraft

Japan, the UK, and Italy are jointly developing the next-generation fighter aircraft. This is to bring together the technologies of the three countries to develop a superior fighter aircraft that will ensure future air superiority while sharing costs and other technical resources among the three countries.



## The Research on Uncrewed Aerial Vehicles (UAVs) teaming with the Next-Generation Fighter Aircraft (AI Technology for UAVs)

In order to realize UAVs that carry out missions with the next-generation fighter aircraft, etc., we are conducting research on AI-related technologies for decision-making and situational awareness, as well as research on the technologies necessary for effective crewed-uncrewed teaming.

## The Research on Electromagnetic Railgun

An electromagnetic railgun can accelerate and launch projectile by using electrical energy. Furthermore, it can launch projectile in extremely high muzzle velocity compared with conventional guns using energy of gunpowder, and is expected to realize greater penetration power and longer shooting range.



## The Research on Long Endurance UUV

We are conducting research on modular Uncrewed Underwater Vehicle (UUV), which can perform various missions such as surveillance and ocean observation by exchanging modules.

