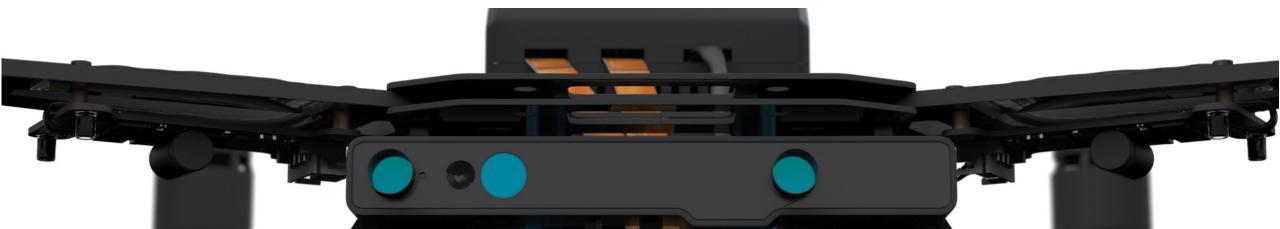


Autonomous Drone Engineer A1 – Intel Aero in 5mn

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Autonomous Drone Solutions Architect



Autonomous?

Autonomous drones are NOT an evolution of RC drones.

Everything is different:

- Technical requirements
- Laws and regulations
- Manufacturers
- Clients
- Business models

It's a disruption, not an evolution
We need specific hardware and software

Yet another commercial drone?

You may find several commercial drones on the market:

- Nicely integrated packages
- Hard to customize "black box"
- Hard/impossible to resell
- Lack of sovereignty

Great if you need a commercial drone with minimal customization

But manufacturers and integrators need quality ingredients to develop their product and services

Ingredients

We propose:

- Board: Intel Aero Compute Board for on board processing, storage, communications
- 3D Sensor: Intel RealSense for collision avoidance and SLAM
- Computer Vision: Intel Movidius coming soon for advanced low power computer vision
- Software: Intel SLAM library, optimized libraries and an open drone ecosystem integrate the software components of your choice
- Open Course: become an Autonomous Drone Engineer in partnership with Universities worldwide





Easy prototyping: Intel Aero ReadyToFly Drone

Intel Aero's goal is to let drone integrators build their drone but we also propose a Ready To Fly drone for fast prototyping and universities. Included:

- Intel Aero Compute Board
- Intel R200
- Intel Aero Flight Controller and Spektrum remote
- All the parts assembled: frame, motors, propellers
- Reference hardware for the for the Autonomous Drone Engineer open course

Experiment and learn Autonomous Drone developmentwith the Intel Aero RTF Drone

Autonomous Drone Engineer Course

As an engineer or student, use this online course to learn about autonomous drone development:

- Hardware used is easily available and affordable
- It's not only about Intel Aero: we use interoperable standards and open source software as much as possible
- It's not about drones only: robotics, computer vision, artificial intelligence ...

As a professor:

- Use this course as a basis to build your own
- Contact us, we can help you with the course customization and deployment

Ecosystem

You can learn and teach with the Intel Aero Ready-to-Fly kit.

If you are a drone solution developer, you can **go to production** with the Intel Aero Compute Board and sensors.

Let us know, we are interested to learn from your product and developer experience.

If you are a client with drone needs, it may be simpler to ask a drone solution developer to **develop and operate** it for you.

Contact us, we can help you define your use case and find the right ecosystem partner.

Thanks

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