VOLIRO

Autonomous Spraying Solutions

VOLIRO's offer

Voliro provides autonomous aerial spraying solutions that can reduce or even eliminate the need for expensive scaffolds. Using our specially design aerial robot and proprietary algorithms for accurate localisation and navigation, we can achieve high quality spraying and ensure full coverage of treated surfaces.

Our offer includes but not limited to:

- Water based airless spray paint
- Anti-algae treatment (HVLP)
- Water repellent impregnation
- Anti-mold surface treatment

Savings and advantages

Using our automated spraying solution can drastically reduce costs and times without compromising the job quality while increasing safety on the construction site.

Use case: Limmatal Spital

Project in collaboration with Losinger-Marazzi and our partner Wagner Group. Voliro sprayed the facade of new building at the Limmatal hospital, covering 500m^2. The building was around 5m high.

This project would have needed 4 painters and scaffolds around the building. Estimated needed time is 5-6 working days. Voliro completed the job in 1 day (8 hours shift). In this project, Voliro proved to be at least **5 times faster**. 2 persons are sufficient to setup and operate the system, cutting down needed personnel by **50%**.

It is expected that these savings figures can grow rapidly for highly elevated buildings, as scaffolds costs grow. We estimated to be around **10-20 times faster** than scaffolds for elevated structures above 10m.

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