

THERMIC RENOVATION OF BUILDINGS

IN A NUTSHELL

- Buildings represent:
 - 40% whole consumed energy
 - 36% of GHG emissions
- In Europe more than **35 Millions of homes** need to be renovated within 2030

THE STAKES

- Industrialise the construction sites to **improve massively the building energetic efficiency**
- Answer to the norms and legal requirements of landlords
- Bring new solutions to the lack of qualified man power

WHO ARE WE?

BATIPRINT3D develops **new solutions** based on robotics and 3D printing for the building's facade works.

OUR GOAL

Our equipment are conceived in a CSR mindset with the goal to:

- Reduce the work hazards
- Improve workers safety
- Ease the recruitment
- Reduce environmental impact
- Grant the perfect execution and keep the job deadlines

CONTACT

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Batiprint3D

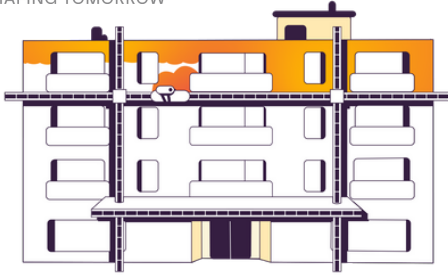
SHAPING TOMORROW

ROB-ETICS :

AN OUTDOOR ROBOTISED THERMIC INSULATION SYSTEM



The Automatic system sprays the insulating foam directly on the facade



An automatic process

To grant the quality of the job executed



Quicker

Keep the job site deadlines and gain in productivity
(4 to 6 times faster)



Lower costs

Realise more jobs with more efficient teams



Smoother activity

Diminish the les nuisances to occupants and neighbors

Limit the environmental impact (less wasted materials and transports)

Anhilate the risks and work accidents

Focus on



Polymer expanding foam

Batiprint3D™ commits to reduce the environmental impact of buildings' thermic insulation by providing a polymer expanding foam composed by **23% of Recycled PET**.

HOW IT WORKS



Job site preparation

Based on the building datas (BIM, scan, plans):

- Facades analysis modeling
- Preparation of construction phases
- Estimation of material quantities, costs and deadlines



Execution on site

- Installation and geolocalisation of the robot
- Execution of tasks: automated projection of the insulation directly onto the facade
- Traceability: edition of a quality of execution report
- Alerts and notifications reception

Robot control and job follow up through the tablet



THE EQUIPMENT

- **A digital platform**
for the project preparation, the machine fleet management and the telemaintenance
- **One robot, one pump**
To execute the tasks on the site
- **A tablet**
To set the job, follow up the progressions and control the robot on site.



Our partners

