

Interreg

France-Wallonie-Vlaanderen



UNION EUROPÉENNE
EUROPESE UNIE

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GoToS3

Elasto-Plast

URCA : FabLab Smart Materials

08/12/2020



Cofinanciering

met de steun van
west-vlaanderen
de gedreven provincie



Wallonie



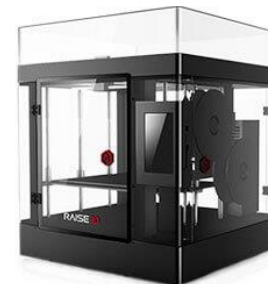
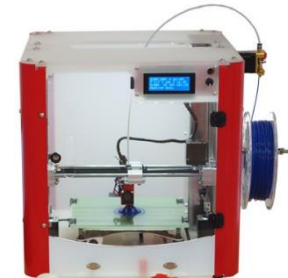
AGENTSCHAP
INNOVEREN &
ONDERNEMEN

The FabLab Smart Materials

- Created in 2013
- Call for proposals « digital manufacturing »
- Certified by DGCIS
- 2 years of state subsidy for equipment and staff

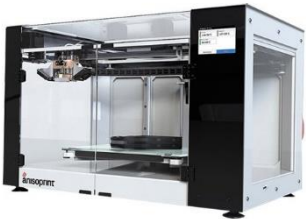
Equipments :

- FDM 3D printers :



Equipments :

- Others 3D printers :



Continuous fibre 3D
(FDM + continuous
fibre deposition)



PAM



SLA



DLP



SLS

Equipments :

- 3D scanners :
- Cutting machines :



Equipments :

- CNC :



- Filament maker :

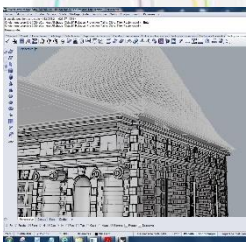


Activities :

- Dissemination of digital culture (conference , events, school partnerships, receptions, visits, exhibitions, ...)
- Production of parts (for industries, individuals, students, artists, ...)
- Training (students, upon request for individuals and industry)

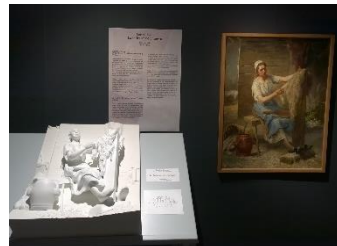
Exemples of projects :

- Model of the «Vieux Moulin» («Old Mill») of Charleville-Mézières
- Realized for the association «Valentin Haüy»
- Student project
- Design of a tactile model for visually impaired and blind people
- Exhibited at the «Musée de l'Ardenne» («Arden Museum») of Charleville-Mézières



Exemples of projects :

- Tactile model from painting of Eugène Damas «La teilleuse de chanvre» («the hemp scorer»)
- Smart Art project
- «L'essentiel est invisible pour les yeux ...» («The essential is invisible to the eyes...»): Exhibition of 12 works shown in Musée de l'Ardenne («Arden Museum») of Charleville-Mézières



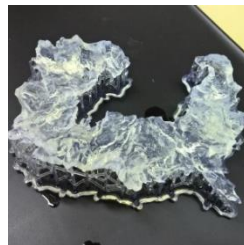
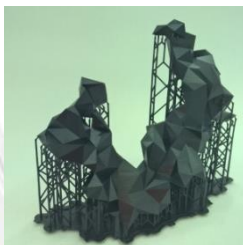
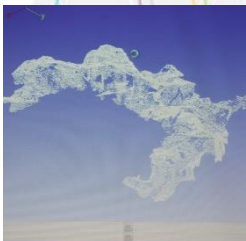
Exemples of projects :

- Trophies realized for the TurboFilm festival of the university of Reims Champagne-Ardenne
- Original creation of the fablab, every year
- Design in relation to the poster of the year



Exemples of projects :

- Onkalo project : artistic research over 2 years with students
- Plastic artist : Dominique Dauchy
- Exploration of possibility by numerical technologies for art
- Work on the basis of tree roots



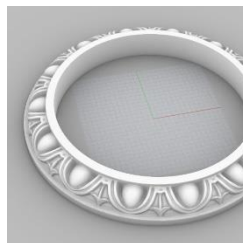
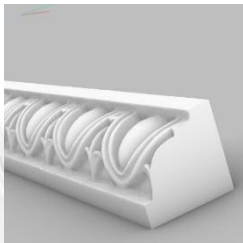
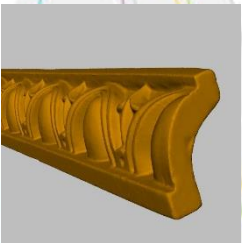
Exemples of projects :

- Project for the «Nuit Blanche» («sleepless night») organized by the city of Charleville-Mézières
- Mascaron of the Place Ducale of Charleville-Mézières
- 3D scanning, 3D printing and delivery of parts to the public for a photographic project about the city



Exemples of projects :

- Industrial project for a ring
- Mouldings for furniture details
- 3D scanning, work on the cloud of points, 3D printing



Exemples de projets :

- Repair of parts for individuals



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**Cofinanciering
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Wallonie

