

# 3D INCUBATOR//

## Would you like to develop your business idea at the 3D Incubator?

Application Handbook

Promoted by:



With the support of:



**Cámaras**  
Fundació INCYDE

"Una manera de hacer Europa"

# Summary

<b>We are looking for you if...</b>	<b>P. 3</b>
<b>How to apply?</b>	<b>P. 4</b>
<b>How to start?</b>	<b>P. 6</b>
1. Select the incubation model	P. 6
2. Select those services best suits you	
▪ General services	P. 7
▪ Servicios tecnológicos	P. 8
▪ Commercialization and internationalization services	P. 9
▪ Innovation and business consulting services	P. 9
▪ Testing services	P. 10
▪ Training services	P. 11
<b>What advantages does incubating offer me?</b>	<b>P. 12</b>
<b>Any questions?</b>	<b>P. 13</b>
<b>Annex</b>	<b>P. 14</b>

# We are looking for you if...

You want to start your business in the field of 3D printing, but you don't have access to the technological resources you need.

**TECHNOLOGICAL ENTREPRENEURSHIP**

You have a business idea, but you don't know where to start.

**CORPORATE ENTREPRENEURSHIP**

You have launched a start-up business and have started producing, but you need help with marketing and commercialization.

**NEW BUSINESS MODEL ENTREPRENEURSHIP**

You are facing some challenges adopting 3D Printing technology.

**INDUSTRIAL ENTREPRENEURSHIP**

## Are you in any of these situations?

**Keep reading** and find out **how to apply** for being one incubated Project of Europe's first high-tech 3D printing incubator.

# How to apply?

1

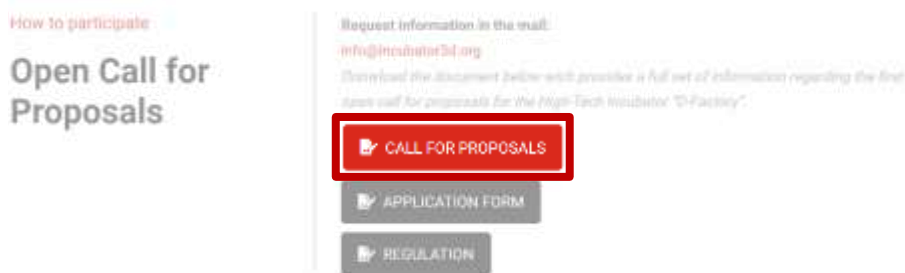
Access to our website:



On the website you will find a brief description of all our incubated projects to date, as well as the latest events and articles published on the blog.

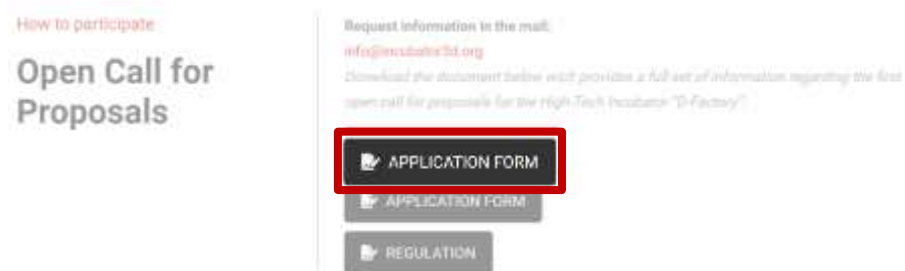
2

Read the full terms of the call:



3

Fill the application form:



↓ Download the [form](#) and fill all the gaps.

✉ Send your application to [proposals@incubator3d.org](mailto:proposals@incubator3d.org)

☎ In case you have any further question, please don't hesitate and call us **+34 93 101 62 26**



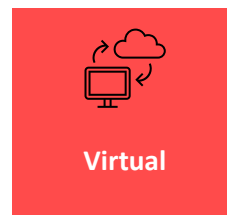
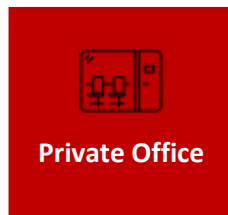
Your proposal will be analysed **to evaluate its fit with our incubation program**. We will contact you to share the results. If accepted, you must follow next steps detailed below.

# How to start?

# 1

## Select the incubation model

- TYPES:



The incubation model will not affect the access to the different services of the 3D Incubator, It will only determine the general and operating monthly expenses, which we remind you of below:

	PRIVATE OFFICE	CO-WORKING SEAT	VIRTUAL
Operating Expenses	719,16 €/month Seating: 4 people	229,79 € / person / month	0 €

**IMPORTANT:** Operating expenses are accumulated in full in a deposit\* and can be used as credit for your consumption of services. For instance: With the rental payment for a private office, you will get €719.16 credit per month to spend on technological services.

\* The term to consume the deposit is up to 6 months from the last payment.

# 2

Select those services best suits you

TESTING	INNOVATION & BUSINESS CONSULTING	TECHNOLOGICAL SERVICES
COMMERCIALIZATION & INTERNATIONALIZATION	GENERAL SERVICES	TRAINING

## General Services\*

- Call centre and messaging
- Reception
- Room booking and common equipments
- Private offices and co-working areas
- Computer services, telephone and reprography
- Providers (services arranged by Incubator )
- Cleaning and Security
- Common areas management:
  - Lobby areas and work zones
  - Vending machines and cafeteria
  - Outside terrace and exclusive access to networking events, chillout area, seminars...)

*\* Services available only for face-to-face incubates,  
both in co-working and in private office.*

# Technological Services

- **Using technologies training**
  - Design, simulation, production quality with specialized software
  - Production system, post-processing and part quality
- **3D design and engineering services prevision:** Design, redesign, optimization and components simulation
- **Production services**
  - Modeling
  - Prototyping
  - Tooling
- **3D Printing with 6 different technologies\*.**
  - Series production: short series manufacturing.
  - Customized products.
  - Preparation services and manufacturing validation (platforms, processing, materials and equipments)
  - Post-production services.
  - Part Quality: analysis, verification and validation of the products manufactured by inspection.
- **Direct use of equipment** (mini printers)
- **Reverse engineering services and part quality.**
- **Solid Works licenses available free of charge.**

*\*See Annex with full equipment list, pages 14 to 15)*





# Commercialization and Internationalization services

- **International meetings:** meetings and information exchange, experiences between companies and professionals.
- **International market seminars:** practical sessions with international market real cases.
- **Commercial missions:** business contacts according to the company goal.
- **International contracts negotiation:** counseling in general contract conditions, sales, distribution, agency and purchase.
- **Appearance on the media:** possibility of appearing in articles, interviews, podcasts and other reports in the media.

# Innovation and business consulting services

- **Technology portfolio:** priority of investments in technology actives according to their potential ROI.
- **PROOF-OF-MARKET studies:** market analysis of application, validation and design of the commercial exportation plan of the active.
- **Market activation:** campaigns and materials creation focused on commercial leads.
- **IP strategies for commercialization:** IP protection strategy (what's protected, how it's done, where...).
- **Technologies validation:** range definition of technology value and IP actives to commercialize.
- **Collaborative IP strategies:** IP protection and development in collaboration with the potential partners.
- **Technology commercialization:** commercial and communication campaigns execution for the technology transference and potential clients identification.
- **Business agreements:** negotiation with clients or partners, legal advice, transference agreements and others.
- **Business models and client development:** design and validation of business models according to the *Lean Startup* methodology.
- **Internacional projects:** identification support and request to participate in I+D+i projects as an international level.

# Testing services

- Access to **resistance and characterization** materials tests associated to the elements of the TFT 3DP/AM applicability in association with external agents.

## Testing areas:

- **Physical – Mechanical**
- **Climate Accelerated Ageing**
- **Chemical Analysis**
- **Fire Resistance**
- **3-Dimensional Metrology**
- **Microbiology**
- **Microscopy**
- **Colorimetry**
- **Rheometry**
- **Other testing tasks**

## Materials:

- **Metals**
- **Plastics**
- **Textiles**
- **Chemical**



# Training services

- **Webinars and training courses** by the 3D Incubator, open to the general public and free exclusively for incubated projects.
- **100% customized training**, tailored to the needs of your project and team.
- **3D Printing training courses catalog for incubated projects:**

AM introduction	Design for FDM
MJF introduction	Design for MJF
FDM introduction	Mechanical simulation
SLA introduction	Steady state heat transfer simulation workflow
SolidWorks introduction	Assembly simulation workflow
Topological optimization for SolidWorks	Design Considerations for Metal Parts
Design for SLA	Multi Jet Fusion 4200 Hands On
SolidWorks introduction	SLA Form2 Hands On



# What advantages does incubating offer me?

- ✓ Be part of a **pioneering incubation program** in Europe.
- ✓ To have access to **avantgarde physical spaces**.
- ✓ Belong to the **ecosystem of innovation and entrepreneurship** linked to 3D printing technology.
- ✓ To have access to **6 different 3D Printing technologies**, both industrial and small format, without the need for investment.
- ✓ To have access to **laboratories with post-processing equipment, scanner and design software**.
- ✓ **A technical team** at your fingertips for all kinds of **advice** and **support** during the development of your business.


# Any questions?

You can contact us through the following channels or come to visit us and discover our facilities. **We will wait for you!**


 (+34) 93 101 62 26







 (+34) 649 354 027

 [info@incubator3d.org](mailto:info@incubator3d.org)

 We may also arrange a virtual meeting!

# Annex\*

Printing equipment		TECHNOLOGY	MATERIALES	
PHOTOPOLYMERIZATION	 Form 2 Model (x1) 145 x 145 x 175mm	 <ul style="list-style-type: none"> <li>- Stereolithography (SLA).</li> <li>- Prototypes and final models.</li> <li>- Mainly used in jewellery and the dental sector.</li> </ul>	White Castable Wax High Temp Black Resin Castable Wax Resin Durable Resin Elastic Resin Grey Resin	Dental Mode Resin High Temp Resin White Resin Dental S Resin Tough Resin Clear Resin Dental LT Clear Resin Flexible Resin
	 NextDent 5100 Model (x1) (124 x 70 x 196mm)	 <ul style="list-style-type: none"> <li>- Digital Light Processing (DLP)</li> <li>- It combines the widest range of dental materials for multiple applications with unique precision and speed.</li> <li>- Biocompatible materials.</li> </ul>	CIB-MFH (PL) CIB-MFH (N1) ND Cast ND C&B MFH ND Gingiva Mask ND Model 2.0	ND Ortho IBT ND Ortho Rigid ND SG / Orange ND Tray ND Try-in ND Denture 3D
MATERIAL EXTRUSION	 BCN3D Sigma Model (x1) (210 x 297 x 210mm)	 <ul style="list-style-type: none"> <li>- Fused Deposition Modelling (FDM).</li> <li>- Independent dual extruder printer.</li> <li>- Enables high resolution multi-material parts to be printed simply and efficiently</li> </ul>	PLA TPU Nylon ABS PET-G	
	 Modelo Fortus 450MC (x1) (406 x 355 x 406mm)	 <ul style="list-style-type: none"> <li>- Fused Deposition Modelling (FDM).</li> <li>It uses thermoplastics at the production level, so that the parts have an incomparable mechanical, thermal, and chemical strength.</li> </ul>	ULTEM 1010 ULTEM 9085 ABS M30 Nylon 12	ASA ABS PC
	 S5 Model (x1) (330 x 240 x 300mm)	 <ul style="list-style-type: none"> <li>- Fused Deposition Modelling (FDM).</li> </ul>	PLA PLA Tough TPU Nylon ABS PET-G	CPE CPE+ PC PP PV
	 i3 Mega S Model (x1) (210 x 210 x 205mm)	 <ul style="list-style-type: none"> <li>- Fused Deposition Modelling (FDM).</li> </ul>	PLA ABS TPU PETG	
	 Epsilon W50 Model (x1) (420x300x400mm)	 <ul style="list-style-type: none"> <li>- Fused Deposition Modelling (FDM).</li> <li>- Independent dual extruder printer</li> <li>- Allows you to print high-resolution multi-material parts in a simple and efficient way</li> </ul>	PLA PLA Tough TPU Nylon ABS PET-G	CPE CPE+ PC PP PV

MATERIAL JETTING	 Polyjet J750 Model (x1) (490 x 390 x 200mm)		<ul style="list-style-type: none"> <li>- Polijet (MJ)</li> <li>- It produces highly accurate, smooth-finish prototypes and tools.</li> <li>- Microscopic layer resolution up to 0.014 mm.</li> <li>- Wide range of materials and colours.</li> </ul>	Flexible Material Shore (30-95)  The whole range of colours, even transparent.	Resins of all colours, it works by mixing five colours at the same time, producing more than 500,000 colours, including Pantone, textures, gradients, transparencies, and flexibilities.
	DUST BED	 MJF 4200 Model (x2) (380 X 280 X 380mm)		<ul style="list-style-type: none"> <li>- Multi Jet Fusion (MJF)</li> <li>- It produces pieces with great physical and functional properties.</li> <li>- HP Multi Jet Fusion accelerates the adoption of 3D manufacturing in a wide range of industries and applications.</li> </ul>	PA11 PA12 TPU Lubrizol TPU Basf
		 Lisa Model (x1) (110 X 150 X 130mm)		<ul style="list-style-type: none"> <li>- Selective Laser Sintering (SLS)</li> <li>- High precision prototypes, without supports or shape limitations.</li> <li>- A maximum precision of 50 microns.</li> </ul>	PA12 Fresh Powder PA12 Print Ready TPU o Flexa Black

### Other equipment

 <b>HEXAGON</b> Model Romer Absolute Arm		Metrology Arm
 <b>SHINING 3D</b>		3D Scanner
 <b>ZELUS</b>		CO2 Laser Engraving Machine

## Post-processing equipment

		<p>Sandblasting machine</p>
		<p>Graphitator</p>
		<p>Air blast machine</p>
		<p>Part tinting system</p>
		<p>Polisher</p>

*\* This catalogue is periodically updated by incorporating new equipment and materials. In case of express request for any material or technology that does not appear on the list, it must be transferred to the Manager of the 3D Incubator.*



## Other technological available resources:

As a partner of the **IAM 3D HUB**, the international digital hub specialized in additive manufacturing and 3D printing, all incubated projects have preferential access to the facilities, equipment, services, and technologies available in their facilities (located in DFactory Barcelona).

### METAL LABS | Powder Metals



### POST-PROCESSING LAB | Cleaning, polishing...



## POLYMERS LAB | Powder polymers



## POLYMERS LAB | Filament polymers



# POLYMERS LAB | VAT Photopolymerization



# 3D INCUBATOR//

Promoted by:



With the support of:



## 3D INCUBATOR

Avenida del Parc Logistic 2-10,  
Polígono Industrial de la Zona Franca  
08040 Barcelona  
Tel. (+34) 93 101 62 26

[www.incubator3d.org](http://www.incubator3d.org)  
[info@incubator3d.org](mailto:info@incubator3d.org)

 @3D\_incubator