Beelse

**Cloud Manufacturing
at the service of industry**

Together, let's change the world through industry with BCM - Beelse Cloud Manufacturing

beelse

MAKE IT BE

Because the planet asks us to live differently, to consume differently and to produce differently.

Digital Stock

A world where only the digital twin of the parts is stored

Production on Demand

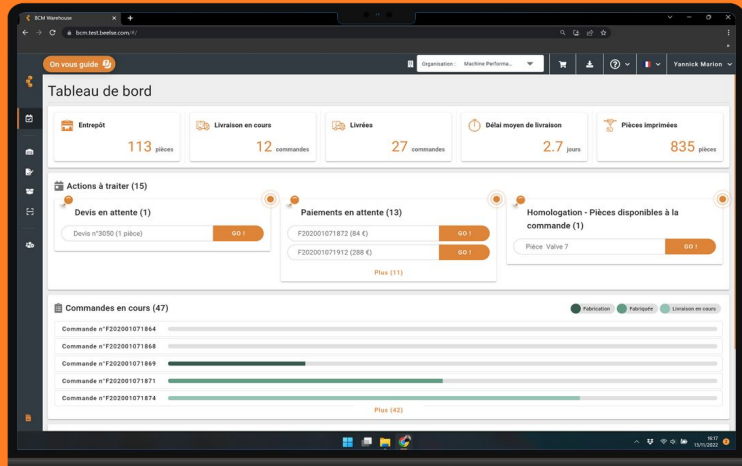A world where we produce only what we need

Local Production

A world where we produce as close as possible to the place of use

Immediate Production

A world of direct access to production

Beelse Cloud Manufacturing

Beelse Cloud Manufacturing (BCM) is a global collaborative and cooperative production system.

BCM provides simple and immediate access to connected production resources available in real time to produce the desired quantity, at the right time and as close as possible to the place of use.

BCM is available in 3 interconnected configurations.
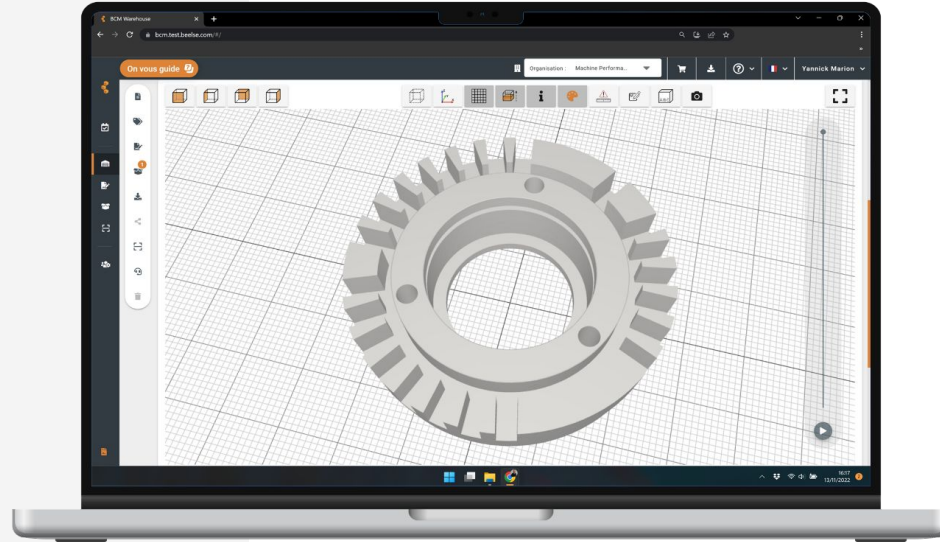
70 %
SAVINGS ON AVERAGE FOR A PART PRODUCED WITH BCM

Of all the 3D manufacturing platform solutions I've seen, BCM is one of the most successful solutions for part industrialization.

Marian De Bonis Hamelin
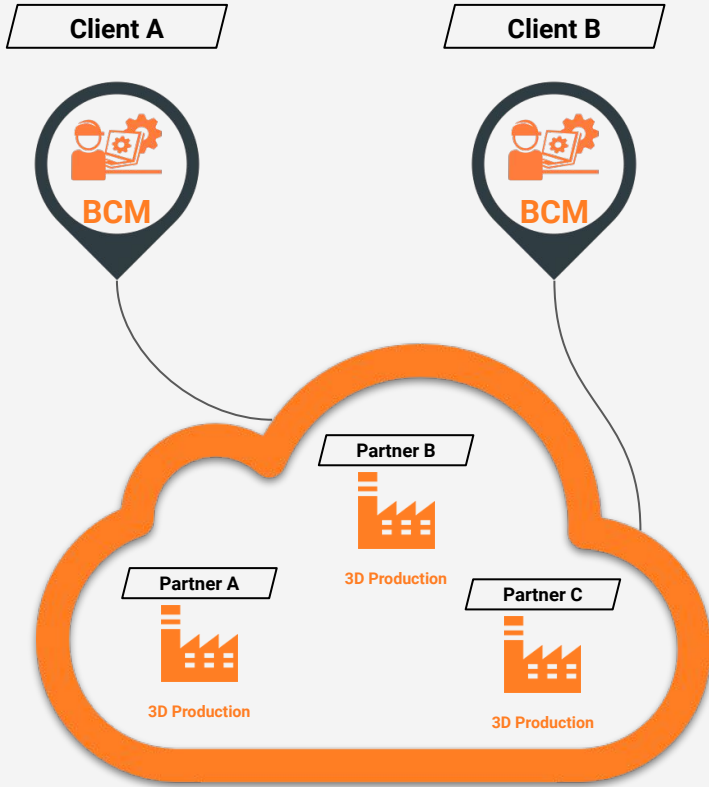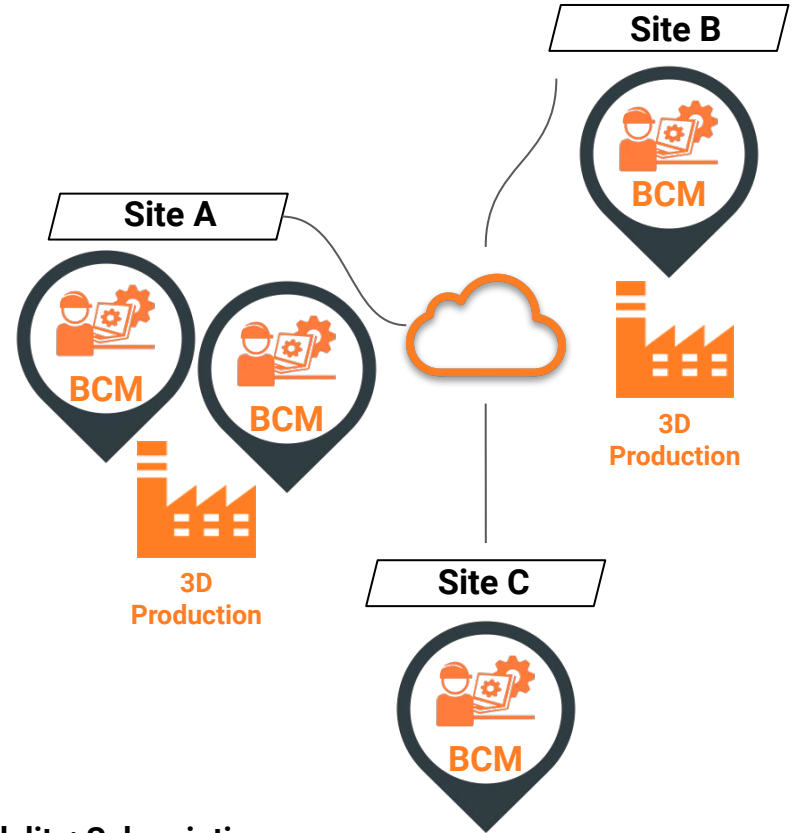*CTO & HP Labs – Innovation Partnerships*

They trust us

L'ENTREPÔT DU BRICOLAGE

VINCI AIRPORTS

SNCF

ARaymond
MORE THAN FASTENING

PEUGEOT

ROSSIGNOL

SALOMON

cfao AUTOMOTIVE

nsc n. schlumberger

CERN

NICOMATIC

UNIVERSITÉ DE GENÈVE

NANObiose

[In'Bô] MANUFACTURE

MIRAXESS

safehear

BCM configurations

BCM Global Network

Client A

BCM

Client B

BCM

Partner B

3D Production

Partner A

3D Production

Partner C

3D Production

Modality: Subscription

BCM Private Network

Site B

BCM

Site A

BCM

BCM

3D Production

3D Production

Site C

BCM

Modality: Subscription

BCM Global Network

BCM Global Network enables on-demand production closer to the point of use through immediate access to the community of Beelse partners specialized in industrial 3D printing parts production.

BCM Global Network provides free access to the latest 3D printing production technologies.

BCM is the most direct way to integrate the use of cloud manufacturing and thus meet new economic, societal and environmental requirements.

modality: freemium
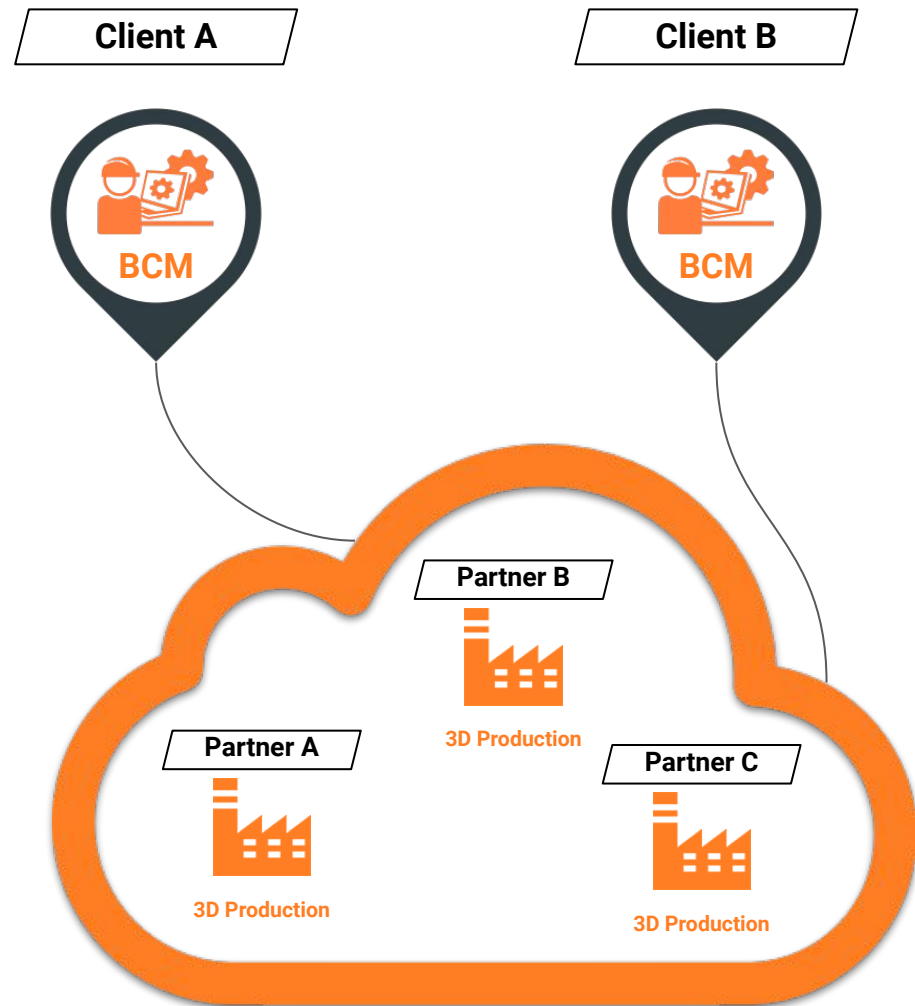
BCM Global Network

Benefits:

- To industrialize parts from the unit to the series

- Integrating the use of 3D printing in the company without investing in 3D printers and without specific training needs

- Increasing the company's financial flexibility with on-demand production

- Reducing carbon footprint with a production as close as possible to the final use

- And much more!
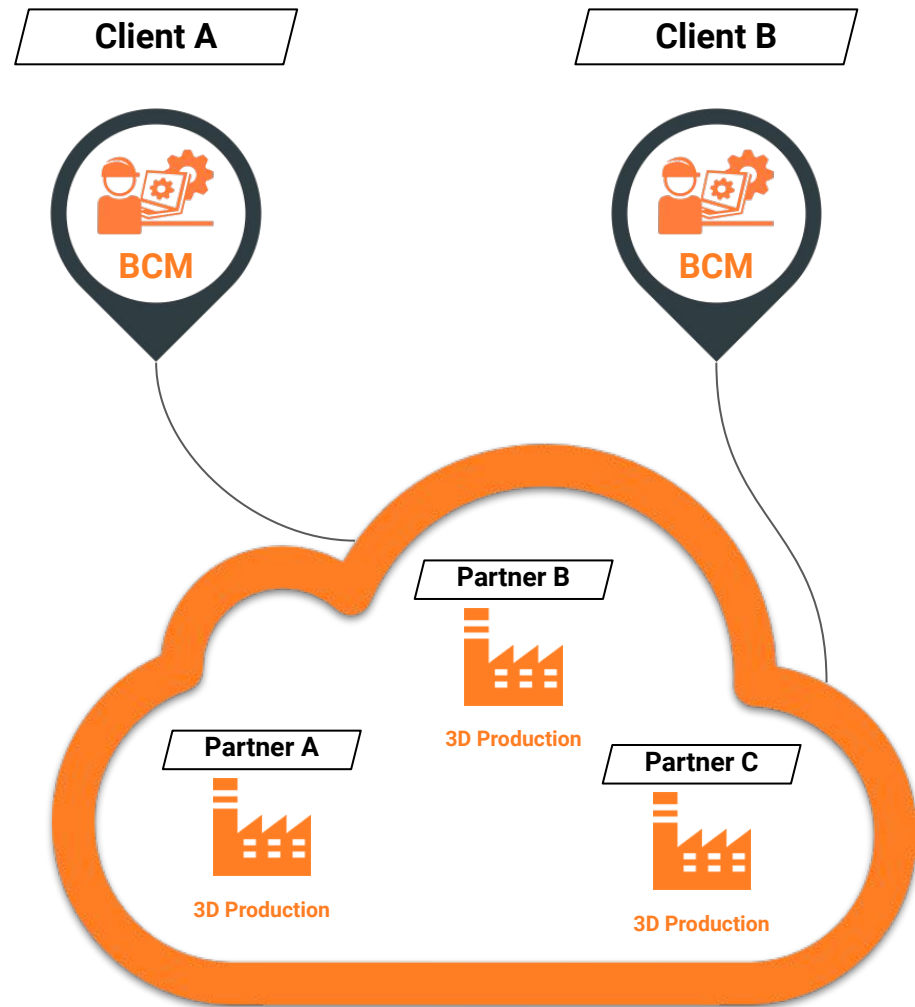
BCM Private Network

BCM Private Network has been developed for intra-company use.

BCM Private Network allows you to reference and share your company's internal 3D printers and make them available to all of your employees in all of your locations.

BCM Private Network allows you to centralize the information necessary for the production and reproduction of a part in 3D printing.

BCM Private Network can be considered as the "3D printing ERP" for the company.

modality: subscription
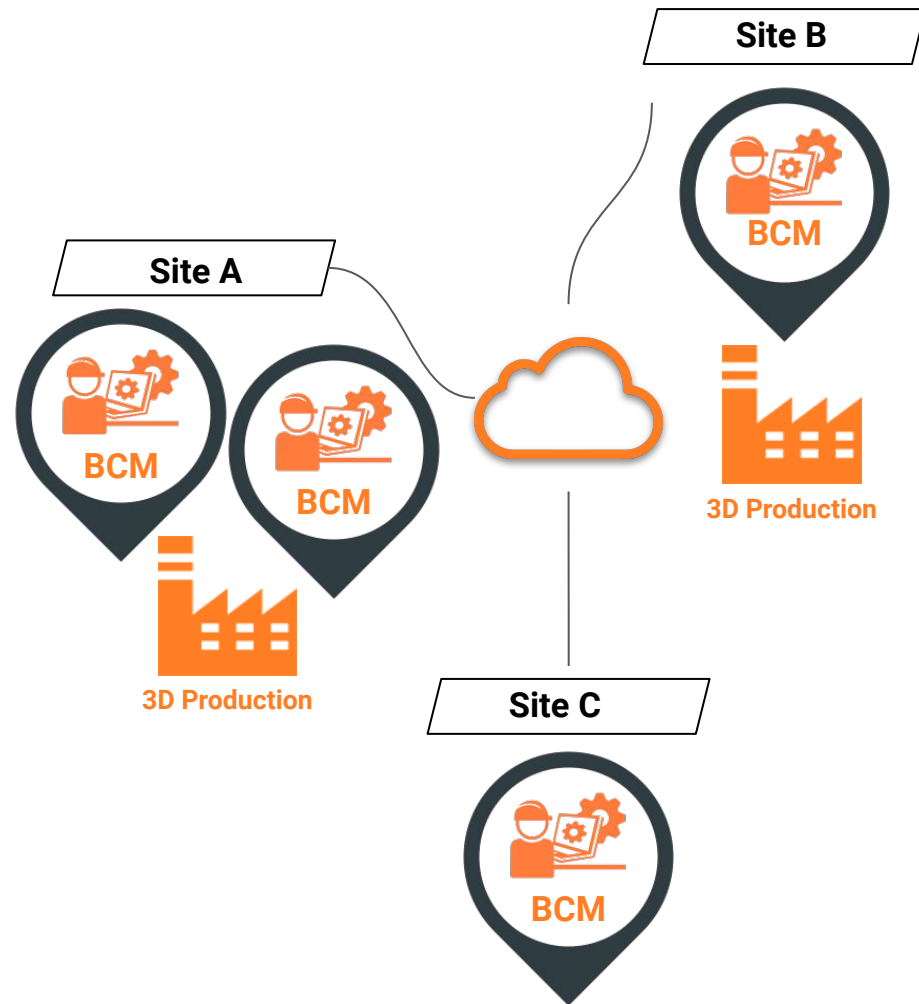
BCM Private Network

Benefits:

- To structure the use of the 3D printing in the company

- To improve the ROI of 3D printers

- Provide access to 3D printers for all employees

- Centralizing and protecting the company's know-how

- The ability to access the BCM Global Network

- And much more!

Site A

Site B

Site C

BCM

3D Production
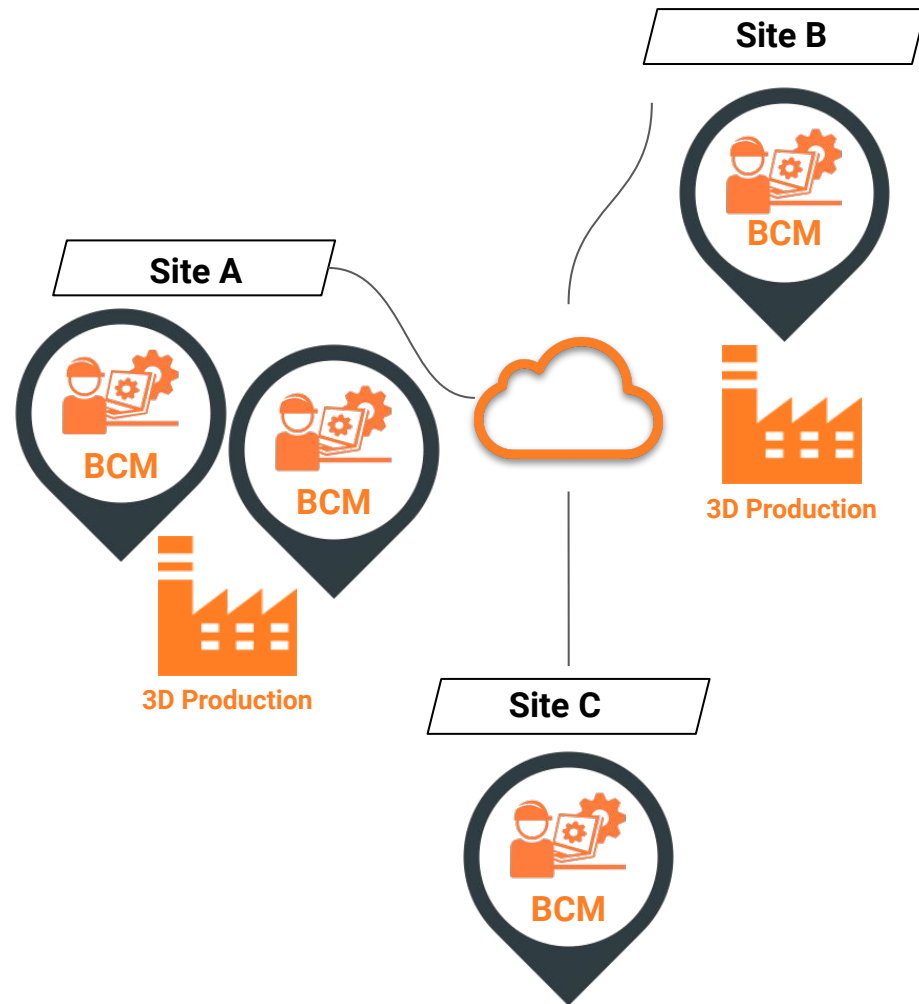
BCM White Label

BCM White Label allows companies to enjoy a BCM that expresses their brand and identity and reinforces their characterization.

BCM White Label has been developed for companies whose business is to produce 3D printed parts for their customers.

BCM White Label allows structuring and automating customer flows on technical, administrative and financial aspects.

Modality: Subscription
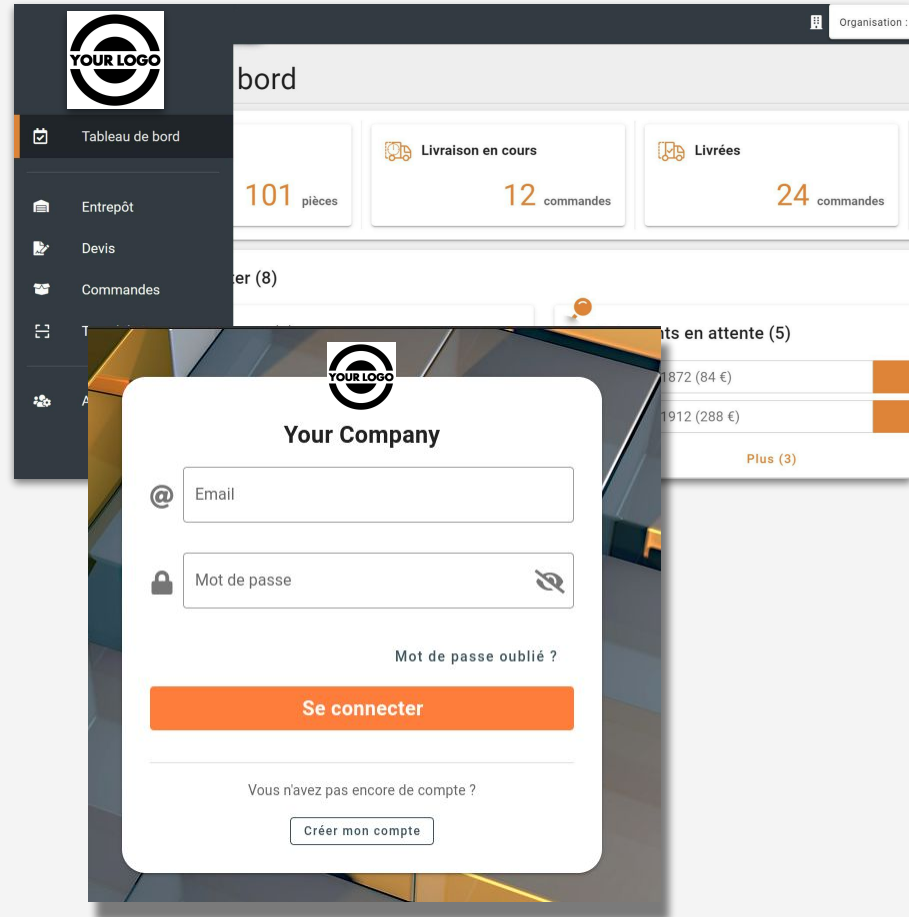
BCM features

A digital parts warehouse

Store only the digital twin of the spare parts

A multi-site / multi-service organization
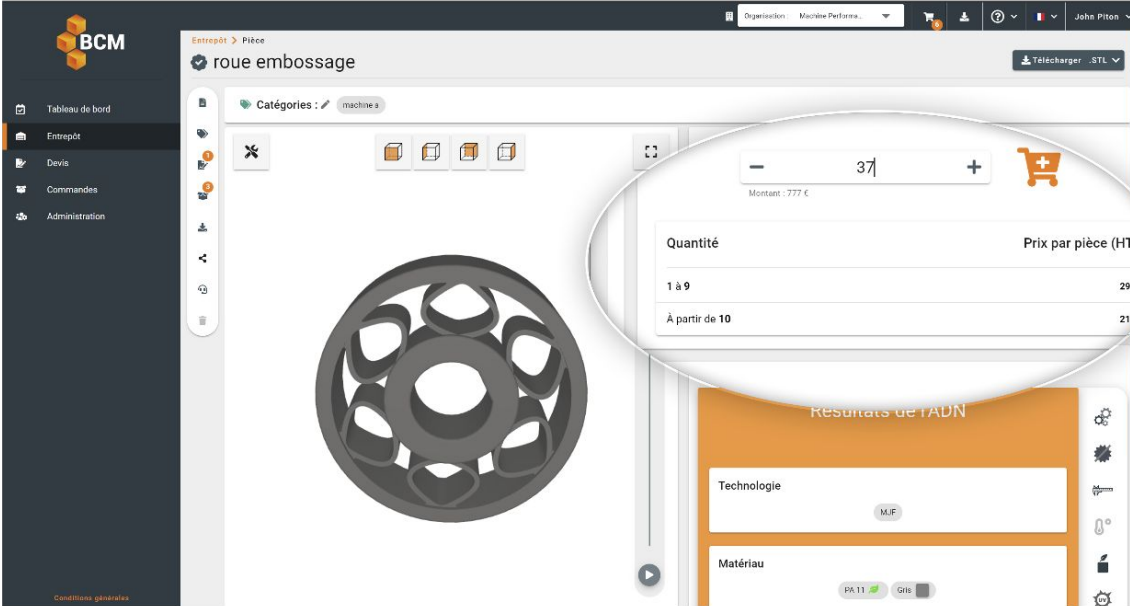
Organize your business to foster collaboration

Production on demand

To produce the right amount at the right time

Order tracking

Real-time monitoring of the progress of your production orders

Help with industrialization

Define the right combination of material and 3D printer

Organization of projects

Organize your warehouse as you wish (Projects, products, customers, etc...)

Filtres	Type de production :	🏛 Prototype/Maquette (1) ⚙ Pièce fonctionnelle/Série (14)		⊗
	Statut :	NEW Nouvelle pièce (5) 🔒 Homologation en cours (10) ✓ Homologuée (1)		
	Statut d'homologation :	👥 Étude technique et tarification (6) ❌ Rejetée (0) ➜ Prêt à commander (1) 🚚 Commande en cours (2) ✎ Test des pièces (1)		

🏷 🔘 Grouper par catégorie

Filtrer par catégorie
projet a.r.c projet um3 ▼

🔍 Rechercher

Statut	Nom	Référence Interne	ADN	Date de création ▼	Dernière modification	Action
— : projet um3						
🔒✎	Cassette-TOP-Droite-V2		⧗✓ SLS PA 12	23/06/2022	04/08/2022	🛒
🔒👥	Cassette-TOP-Droite-V2_00000-00		⧗✓ SLS Bluecare	23/06/2022	04/08/2022	🛒
🔒🚚	UM3_Carter capteurs navettes - 5		⧗✓ SLS PA 12	23/08/2022	23/08/2022	🛒
— : projet a.r.c						
🔒👥	CH-V17		⧗✓ MJF CB PA 12	23/06/2022	04/08/2022	🛒
🔒👥	V3-Couvercle		⧗✓ SLS PA 12	23/06/2022	04/08/2022	🛒
🔒👥	V3-Coque		⧗✓ MJF CB PA 12	23/06/2022	04/08/2022	🛒

Secure sharing of parts between BCM spaces

Delegate the order of your parts without transmitting the 3D file

Owner account

Beneficiary account

Automatic marking of parts for traceability

For the follow-up of your productions without any effort
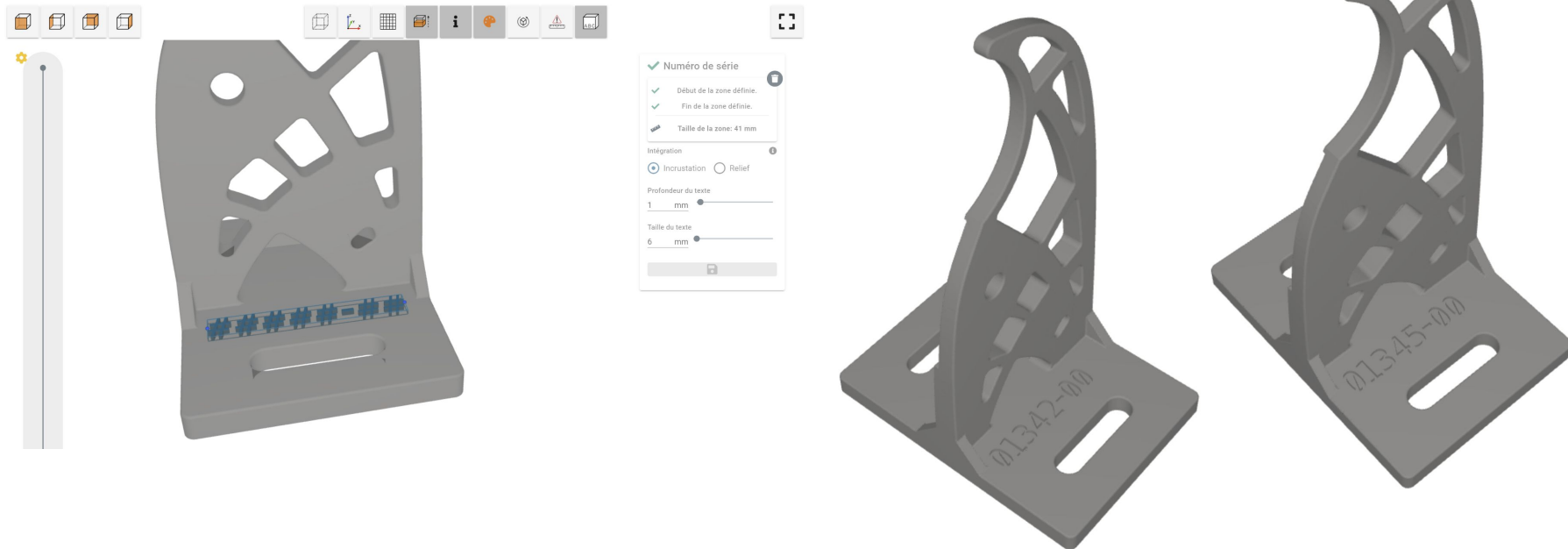
Management of administrative and payment flows

To simplify and accelerate your purchasing processes, in line with your internal organization

- Internal order number
- Open order number
- Automatic sending of invoices to an ERP
- ...

Management of private and public production networks

Fournisseur BCM

→ Un fournisseur du réseau BCM sera sélectionné pour la production de votre pièce

Estimations des prix de la pièce en SLS - PA 12

Quantité	Prix par pièce (HT)
1	34,00 €
2	17,00 €
3	12,00 €
4	9,00 €

Plus (3)

☐ Faire produire la pièce par un fournisseur BCM

Site de production

→ Sélectionnez un site de production

Site de production
Future Inc New York (New York) ▾

Estimations des prix de la pièce en SLS - PA 12

Quantité	Prix par pièce (HT)
1	10,00 €
2	5,00 €
3 à 4	3,34 €
5 à 9	2,00 €

Plus (5)

☑ Faire produire la pièce par ce fournisseur

− 1 + 🛒

ⓘ Vous n'avez pas spécifié de côte critique pour votre pièce
ⓘ Vous n'avez pas paramétré le numéro de série pour votre pièce
← Cliquez sur 'Retour' pour ajouter des informations à votre pièce

← Retour

Use cases

Customer case : Nanobiose (for the sale of finished products)

NANObiose

- Pull production
- Product customization
- Accelerated time to market
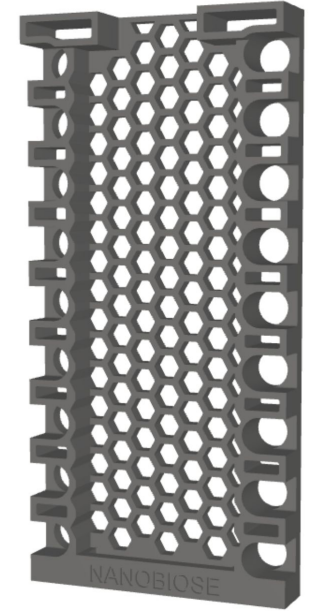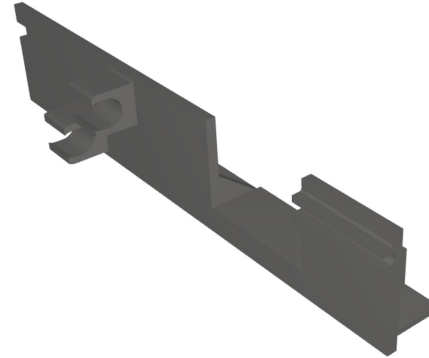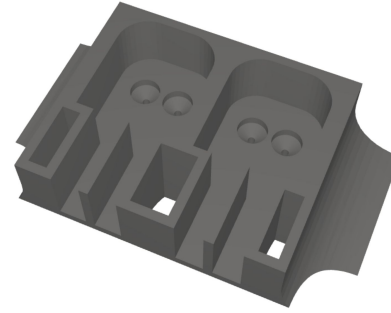
«With BCM, we have a production tool capable of producing our prototypes but also of industrializing them »

D. Fleury - CEO

Customer case : ARaymondlife (for industrial maintenance)

ARaymond ®G ™
MORE THAN FASTENING

- Inventory reduction
- Autonomy of supply
- 70% reduction in the cost of a part

« In some cases, we have reduced the price of our parts by a factor of 10 and improved their delivery time by 30 days."

G. ROJON - MAINTENANCE MANAGER
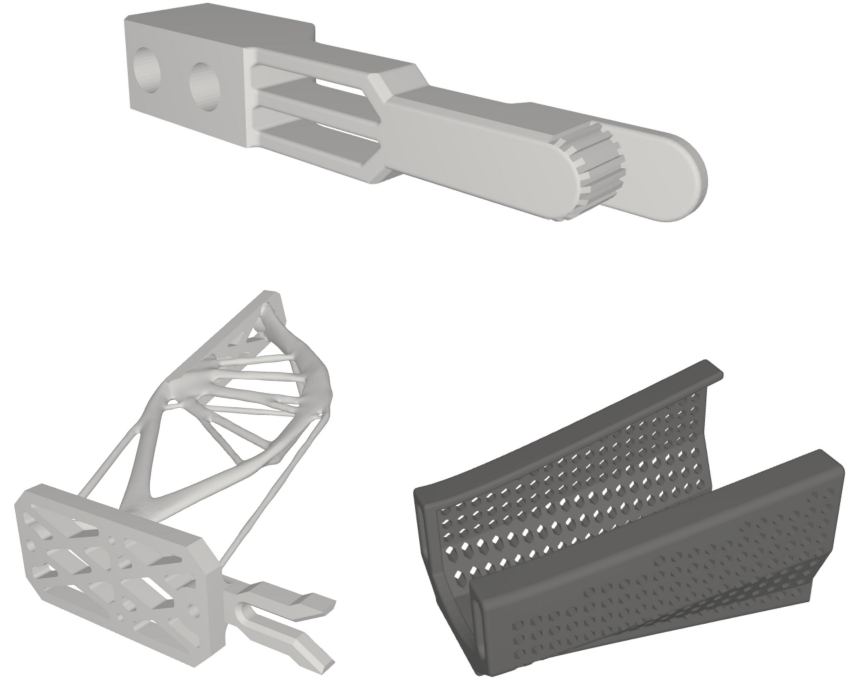
Customer case : L'Entrepôt du Bricolage (for the after-sales service)

- Reduction of procurement time
- Increased customer satisfaction
- Simplified access to repairability

« For certain spare parts, repairing our customers in 10 days without having the part in stock is now our reality thanks to BCM»

E. Bernard - Head of Missions - Samse Group
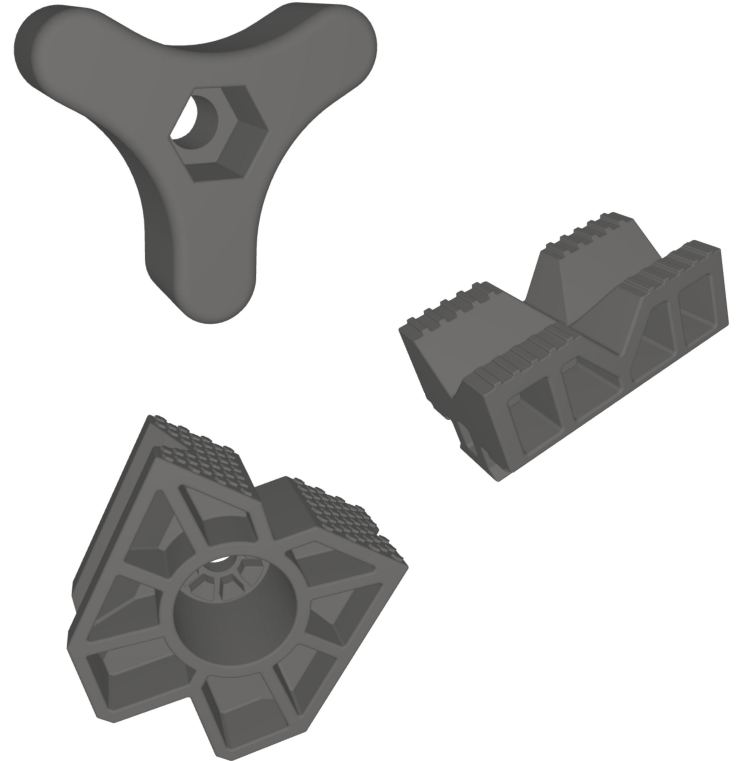
> It is by making industry and industrialization simple and collaborative that we contribute to developing a world that respects nature.

YANNICK MARION
CEO

THANK YOU

www.beelse.com

Contact us: hello@beelse.com

Log in to BCM: bcm.beelse.com

FAQ

What is Cloud Manufacturing?

Cloud manufacturing is a grouping of technologies that enable immediate production, on demand and as close as possible to the place of use. We are talking about software technologies, algorithms, Deep Learning and also additive manufacturing, more generally called industrial 3D printing.

What is BCM?

BCM for Beelse Cloud Manufacturing is a collaborative production solution developed by a technology company called Beelse. BCM has the particularity to put in front of production needs, production means connected and available in real time to produce the desired quantity, at the right time and as close as possible to the place of use.

What is additive manufacturing?

It is a production method that manufactures parts without the help of dedicated production tools such as injection molds. The processes create the parts by successive additions of layers of mainly polymer or metal material. This makes it possible to produce from one unit to large series on the same machine. The term additive manufacturing applies to industrial processes. The general public name is 3D printing, for simpler processes.

FAQ

How can I be sure that I have BCM-eligible spare parts?

Academic studies estimate that 5-15% of existing parts in a company are eligible for cloud manufacturing. This potential increases significantly if they have been designed for additive manufacturing.

Do I have to own the 3D files?

Yes, it's an obligation. You can't manufacture parts that don't belong to you. This is an important point of the intellectual and industrial protection of the BCM solution. However, it is possible to create a generic of the original part by respecting certain rules.

What are the prerequisites to access BCM?

It is very simple ! A computer, internet and an updated web browser (preferably Chrome).

FAQ

How does BCM meet the economic challenges of my company?

From now on, you should consider BCM as a new production component whose main assets are flexibility and reactivity.
For example, BCM can reduce idle inventory and its related costs while improving customer satisfaction.
In some cases, it is possible to achieve a 70% reduction in the total cost of ownership (TCO) of a part thanks to BCM.

What is TCO?

The TCO (Total Cost Ownership) was created by Gartner in 1998. Its objective is to take into account all the direct and indirect costs of a product.
Its calculation highlights the hidden costs that are usually forgotten in the analysis of the price of a part.

Where is my data stored in BCM?

The data is stored on a cloud on French territory in order to guarantee the confidentiality and security of the data.