



Sector: FemTech. MedTech.

Product type: Medical device

Team members: 5

Project kick-off: 2020

Capital raised: 135.000€

Estimated runway: 12 months

METRICS

- TRL 7 reached
 - Validated in-house 3Dscanning & CAD protocol (automation planned)
 - 4 EBPs functional prototypes
- Clinical Study by Jan 2027
- Consolidated multidisciplinary team
- Go-to-market strategy defined

MEET THE TEAM



Àngels Placeres Gago
Nurse Case Manager Pit3D



Toni Nadal Mir
Head of 3D Laboratory Pit3D



Paula Ferrer Raventós
Innovation Manager Pit3D



Miquel Àngel Seguí Palmer
Principal Investigator Oncology Unit Parc Taulí Hospital



Martin León Hermoso
Head of Innovation Unit at I3PT

CONTACT

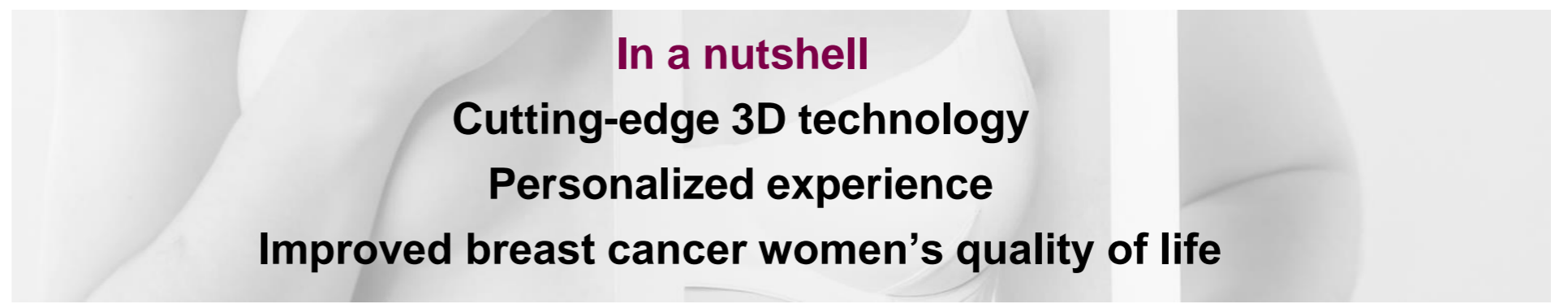
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Personalized external breast prostheses with 3D printing



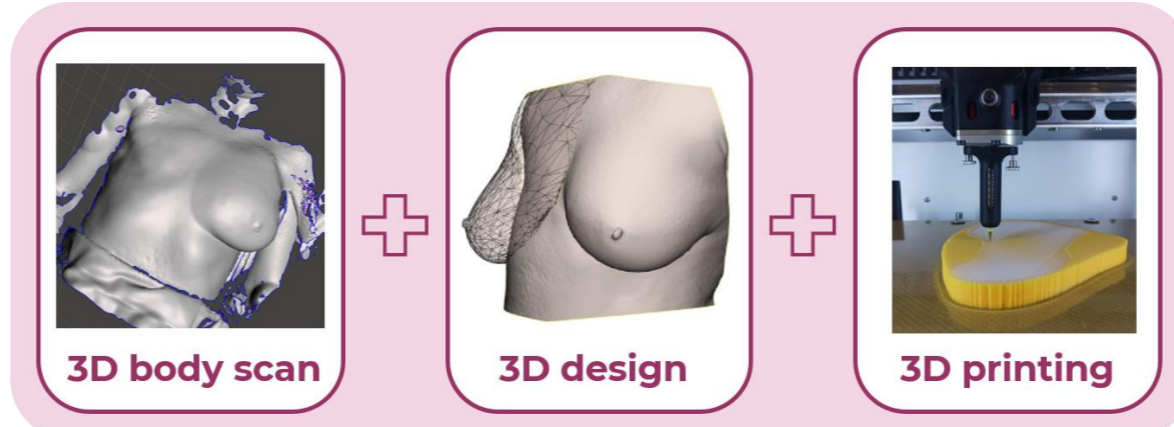
Problem: significant discomfort for post-mastectomy women

- 2.3M cases of breast cancer worldwide annually
- 1 in 8 women in Spain will suffer breast cancer through their life
- 40% need a mastectomy
 - 69% of mastectomized women experience depression
 - 2-5 years waiting time for breast reconstruction
- 2 in 3 opt for External Breast Prostheses (EBPs)
 - 40% discomfort with current EBPs



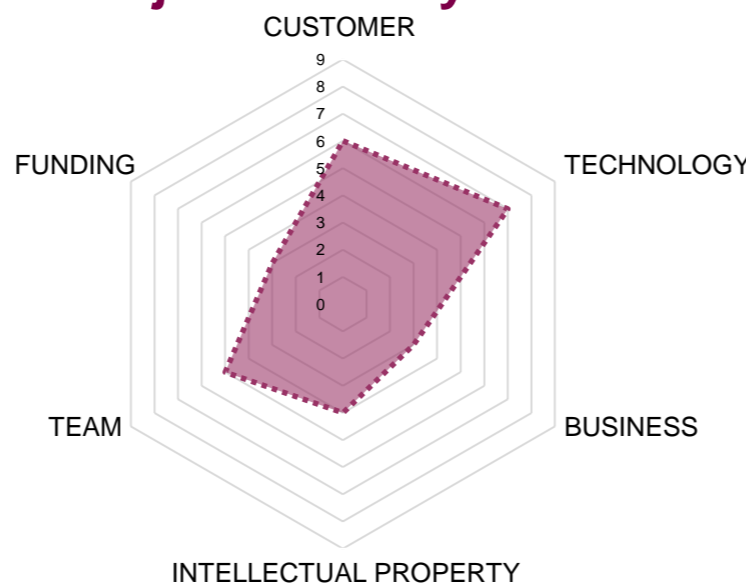
Solution: Personalized EBPs

3D printed solution for breast prostheses users



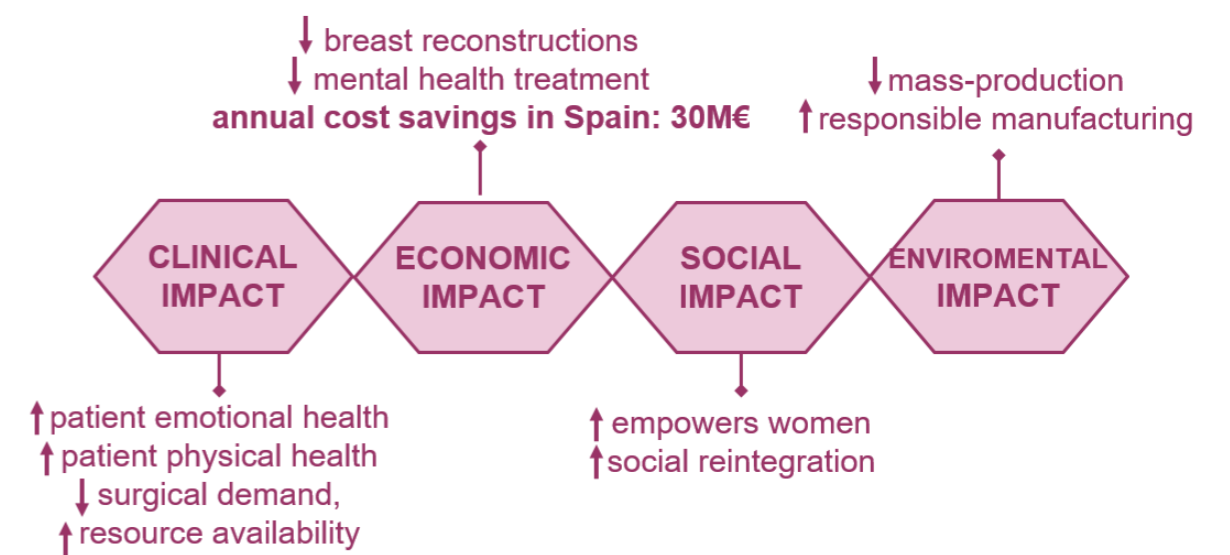
- lightweight
- Confidence and self-esteem
- 3D technology
- accessible
- personalized
- advanced medical materials
- comfort
- natural fit and symmetry
- breathable

Project maturity level



KTH Innovation Readiness Level™

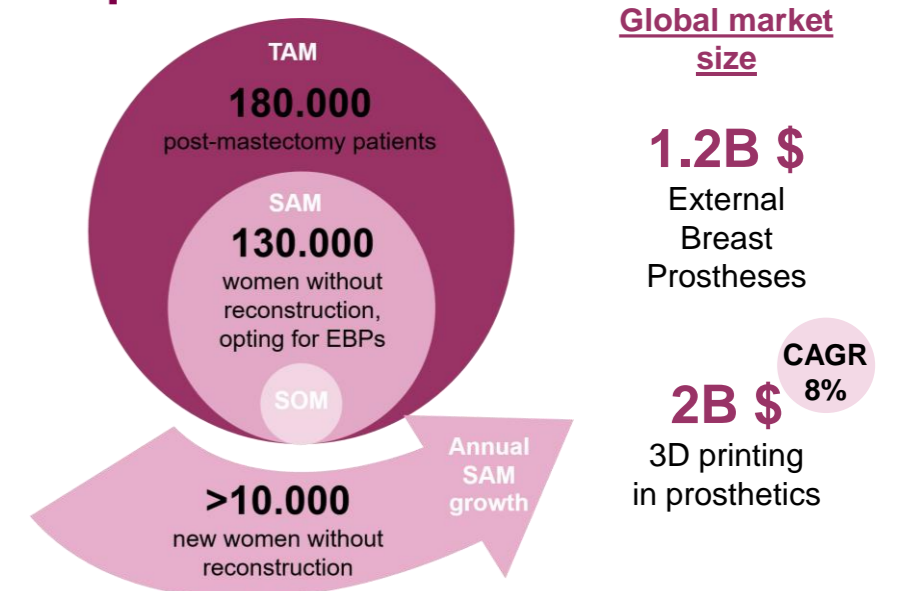
Transformative value



Business model

- **Phase 1 (B2C):** Direct-to-patient service through patient associations and orthopedic centres. Product is a **non-medical device**, enabling fast launch and user feedback.
- **Phase 2 (B2B2C):** Launch of a new **certified medical device**, partnering with **private clinics** and **health insurers**, to expand access and clinical adoption.
- **Phase 3 (Public Health):** Integration into the public healthcare system as standard post-mastectomy solution. Recurring revenue.

Spanish market size



Roadmap

	2024		2025		2026		2027		2028		2029	
	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2
PRODUCT DEVELOPMENT	Feasibility test 3D scanner	Clinical study 1 Prototype 1 (P1) 20 patients		Clinical study 2 P2, P3, P4, P5 11 patients	Final prostheses design		Multicentric clinical study Selected prostheses, 100 patients, 4 hospitals					
IP AND REGULATORY	Patentability study 1 Confirmed novelty		2 new patentability studies	AEMPS medical device classification	Validated in-house 3Dscanning and CAD protocol	Software automation	First European patent filing	New patent filing	PCT extension	QMS and regulatory compliance for Medical Device non invasive – Class 1 Self-declaration of conformity (CE)		
TEAM AND COMMERCIAL STRATEGY			Commercialization assessment (external partner)		Spin-off creation		Market entry B2C – non medical device				Market entry B2B2C – medical device	

Support

