



Com avançar des de la Innovació Empresarial a un future desitjable

March 2019

La Producció
Industrial
representa el **17%**
del PIB a Europa

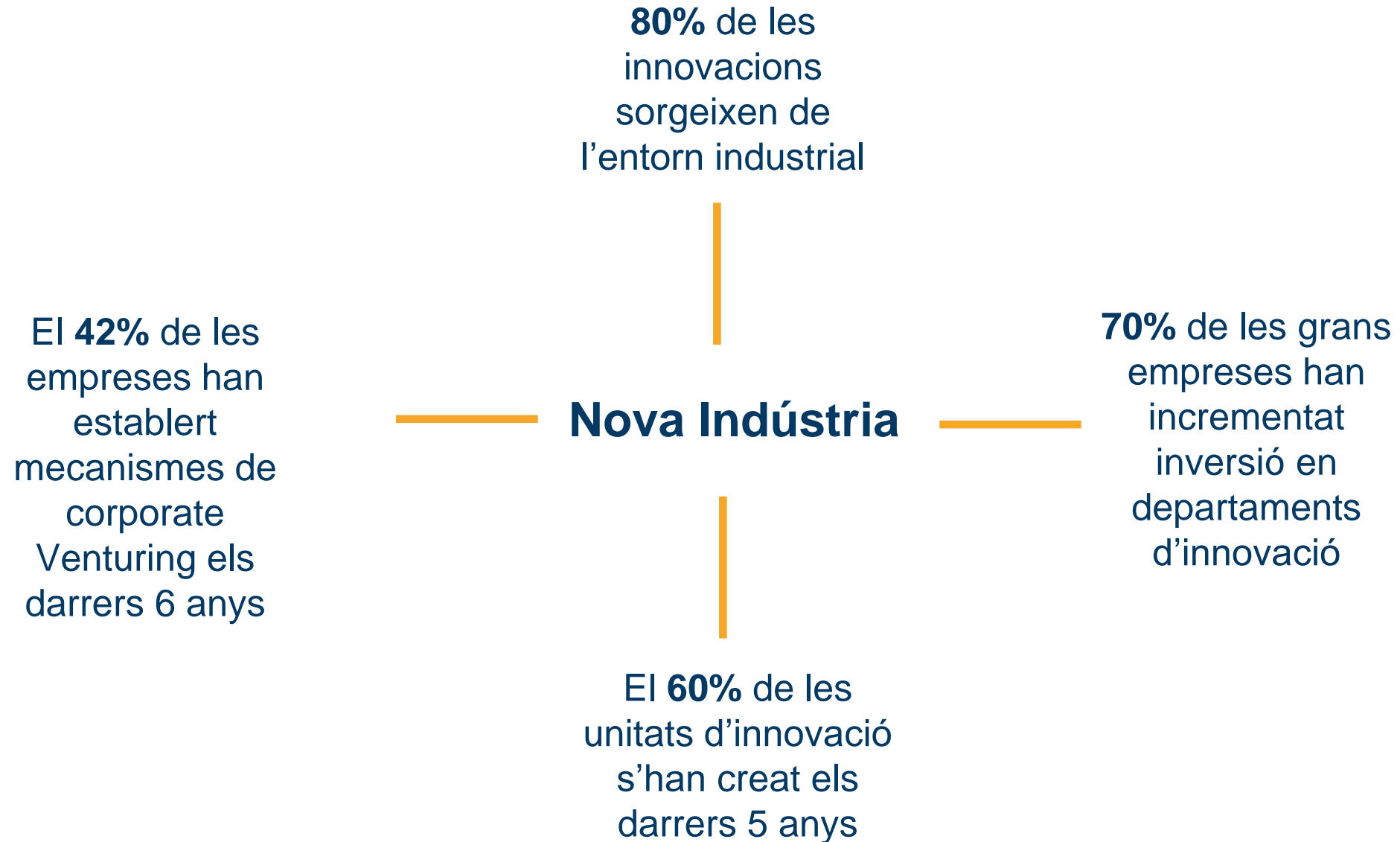
El **75%** de les
exportacions a
Europa són
Productes
Manufacturats



Indústria

32 Milions de
persones treballen
a la indústria
transformadora

1 lloc de treball de
la indústria
transformadora
crea 1 lloc de
treball en serveis
complementaris



Quan una empresa dissenya i desenvolupa mecanismes per a identificar i col·laborar **amb noves propostes de valor externes** i millorar així la seva competitivitat i rendibilitat

Perquè?

- **La innovació va a una alta velocitat**
- **Es difícil mantenir el ritme de la demanda del mercat amb només recursos interns**
- **És innovació mes enllà del R+D intern**
- **Tanca el gap Tech Transfer Empresa**



The open innovation platform for Laundry Industry

March 2019

Objective

Girbau LAB objective is to bring **added value** to laundry industry clients based in Innovation.

We want to increase synergies and take advantage of **new opportunities** of our environment where there are brightest minds and mobility workers available, new knowledge and technologies appear an increasing industry of venture capital and new Startups, much more opportunities to develop external ideas or systems to share and take advantage of internal capacities



Value Proposition

Girbau LAB offers the possibility to translate new knowledge or technologies in **real market opportunities**.

Based on Girbau's industry capacity as well as commercial penetration in laundry market all over the world, Girbau LAB is a very interesting **platform** for research in the most advanced fields of knowledge that impact laundry industry, also for demonstration or scaling of technologies and solutions to the market



Value Proposition



Manufacturing Facilities
(Spain, France, China)



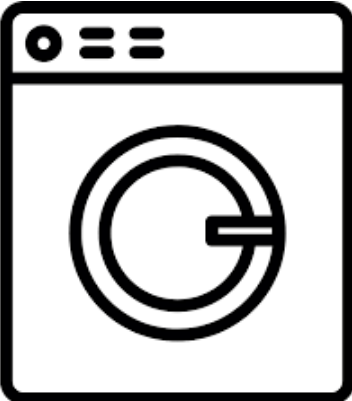
15 international commercial subsidiaries and
distribution and service network in more than
100 countries



65 References



80 R+D Engineers



175.000 Solutions installed in the world



Over 25.000Tones of Linen
clead every day

Strategic Challenges

March 2019

Strategic Challenges

Let's add a value to the laundry industry through innovation



Digital transformation



Sustainability and circularity



Human wellness and health

Strategic Challenges

Let's add a value to the laundry industry through innovation



Digital transformation



Sustainability and circularity



Human wellness and health

Digitalization helps to improve the efficiency of any manufacturing business and also allows industry to be closer to the final user.

Girbau LAB works in all those technologies that are contributing to digitally transform the industry:

- IoT
- Big Data and Analytics
- Artificial Intelligence
- Robotics
- Virtual and Augmented Reality
- 3D Printing
- Cloud computing



Strategic Challenges

Let's add a value to the laundry industry through innovation



Digital transformation



Sustainability and circularity



Human wellness and health

Providing advanced sustainable solutions in the laundry industry and transforming a traditional industry business into a circular paradigm is a clear focus of Girbau LAB's activity.

- Water and energy saving, more efficient products, processes and systems.
- Use and generation of alternative energy sources.
- Treatment and reuse of waste from manufacturing processes.
- New solutions and business models that contribute to more efficient use of laundry equipment and solutions.
- New solutions and business models which promote a collaborative economy where peers share resources and contribute to increased product life spans.



- Alternative technologies for the laundry industry to increase sustainability, such as infrared, ultrasounds, artificial vision and others.

Strategic Challenges

Let's add a value to the laundry industry through innovation



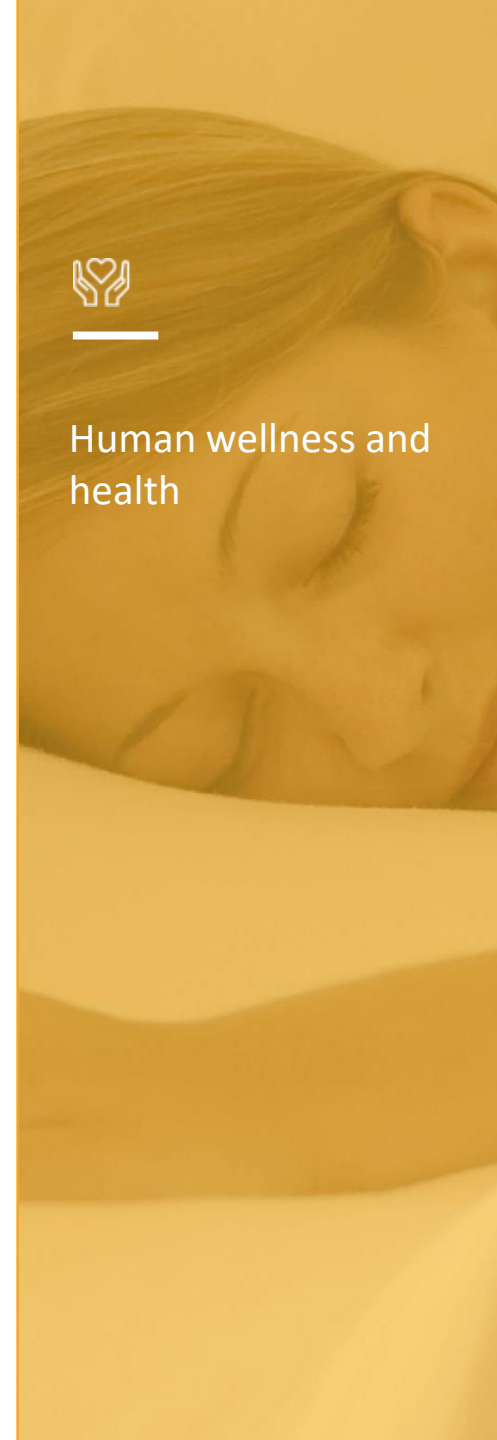
Digital transformation



Sustainability and circularity



Human wellness and health



Girbau LAB will be looking for solutions that contribute to increasing the wellness and health of people.

Focusing on laundry **users** and **workers**:

- Personalized solutions that are closer to their needs.
- Safer and more secure working environments.

Focusing on **consumer wellness** and **health**:

- Introduction of natural elements and progressive reduction of chemicals during the cleaning process.
- New laundry solutions for new textiles.
- Nanotechnology-based solutions to apply during the cleaning and drying process to provide new wellness and healthy properties for textiles.



Our Ecosystem

GIRBAU LAB



Girbau LAB builds an ecosystem composed by all **actors** who can contribute to transform laundry industry to provide digital, sustainable and healthy solutions.

Girbau LAB works in a completely open and **international** context, looking for solutions coming from the most advanced innovation environments to apply through out more than 100 different countries of the world where Girbau is currently operating.

Our Ecosystem



GIRBAU LAB





Girbau LAB activities will contribute increase knowledge about laundry industry **through talent attraction and to transform existing talent,**

- Support to internal entrepreneurship initiatives
- Organization of complementary knowledge and skill teams with external organizations for each project
- Phd or researchers engagement for specific projects
- Support to **First Tech Challenge** of Lego League to promote STEM among young people from 16 to 20 years old.

From Ideas to new Business:

iDrivers



<https://girbaulab.com/idrivers-2018-girbaulab/>

Technologies that transform the laundry industry business

Ind Tech Challenge





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Share with us your ideas!!!!

March 2019