

NOVA RES

Beyond plastics

USER
EXPERIENCE

INTUITIVE
INTERFACE

E-GREEN

GREEN
MOBILITY



PRESS KIT 2021



Editorial

Pierre Boulet
Novares CEO

The automotive industry has been hard hit over recent months: firstly by the Covid-19 pandemic, which resulted in factory closures across the world, then immediately after by the semiconductor shortage, which led many manufacturers to close their production lines, in some cases for up to several weeks.

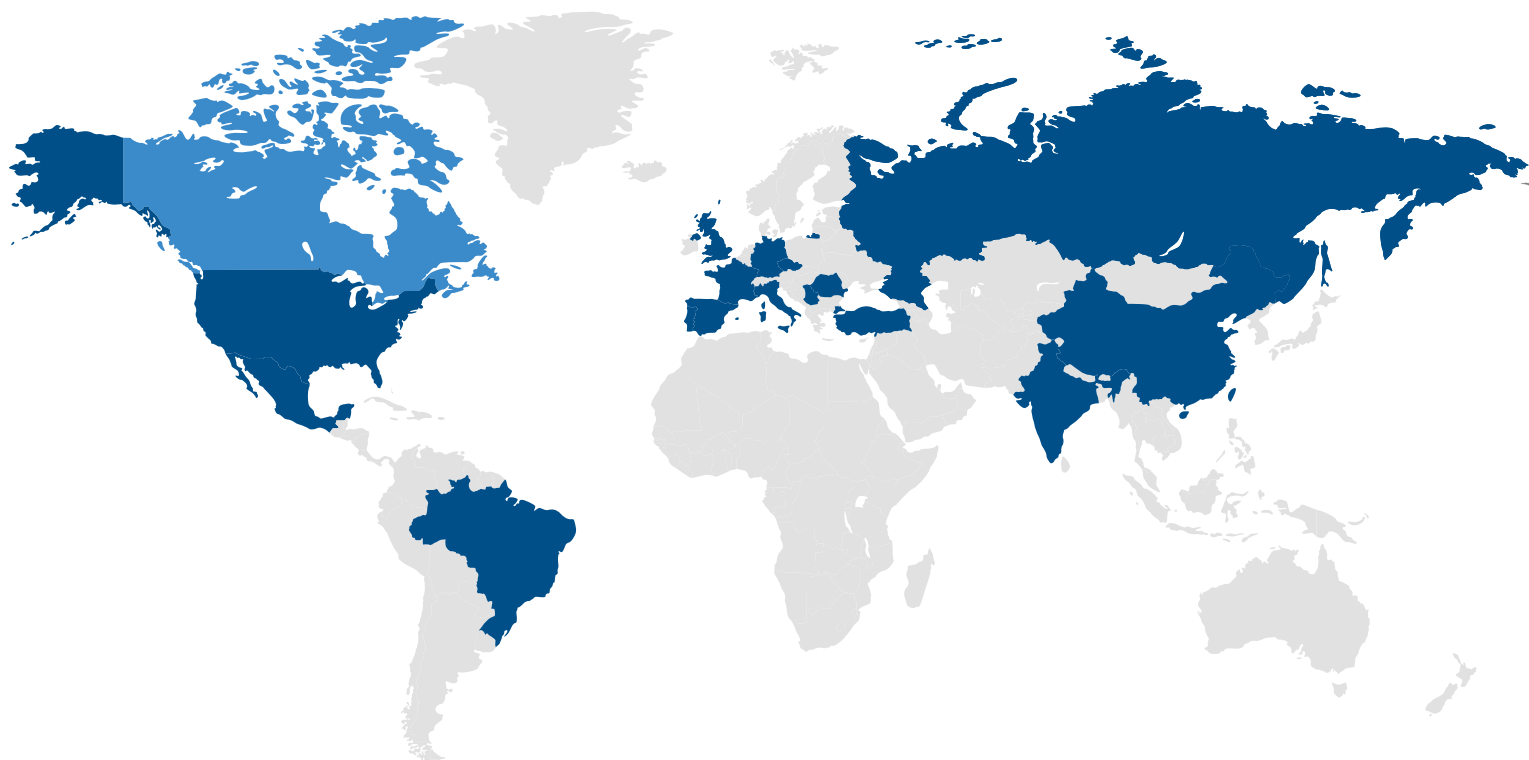
Thanks to the flexible measures introduced by the French government, the sector has managed to survive and bounce back from the health crisis. The sector has demonstrated its resilience and ability to adapt by overcoming the many difficulties and challenges it has faced.

Since Novares has also been affected by these challenges, we have continued to place great emphasis on innovation, which has always been deeply rooted in our DNA. We therefore invested 6% of our income back into R&D in 2020, despite the current context, and have continued with our programmes such as Novares Venture Day, through which we discovered new startups with promising technologies for our industry.

In addition, our efforts have been turned towards Nova Car, Novares' demonstration vehicle and true mobile laboratory. This has even been reconceived to better convey the true extent of our expertise, and they are four Nova Car that exhibit our greatest innovations to the general public. Fully accomplished innovations will be built into the first two of these cars, ready to be adopted by manufacturers, while the other two will feature more recent innovations firmly geared towards greener travel and suitable for combustion, hybrid, electric and hydrogen engines, as well as passenger areas of the future, where all passengers will be at the center of vehicle functionalities.

Our industry has yet to find a solution to the electronic parts crisis that would restore it to its pre-pandemic glory, but the greatest challenge for us lies in green and clean travel. There is no doubt that hydrogen is the most promising fuel out there; it does not emit CO₂ and keeps cars going longer. However, our industry still faces a huge challenge: creating reservoirs that can store electricity in non-battery form, which would lead to a whole new world of opportunities. As members of France Hydrogène, the professional association for actors in the French hydrogen industry, we demonstrate our commitment to this future technology. We strongly believe that innovation is the key to discovering sustainable and green mobility solutions, so we are doing all that we can to stay ahead of the game in this area.

Company profile



Company history and its activities:

Novares designs and manufactures parts and complex systems for the automotive industry of the future. Specialised in advanced plastic injection technologies, Novares has created high-tech solutions that support the development of cleaner, lighter, more connected and more user-friendly vehicles with intuitive interfaces that all passengers can use. Novares co-develops its products and supplies them to all major players in the automotive industry, manufacturers and first-tier motor vehicle equipment manufacturers. These products can now be seen in one out of three vehicles across the world.

Headquartered in France, Novares aims to be closer to its clients to provide a local service across the globe and in order to optimize the entire production chain with the aim of meeting the needs of its most demanding clients in shorter turnaround times.

€1.1 billion
in turnover

10.500 employees in 42 factories
across 23 countries

750 R&D engineers in 8 Tech Centers
and 8 Skills Centers

6% of profits invested
back into R&D

€40 million
in investment



Novares' commitment towards innovation

Luc Dornier, Vice-President Group Product Development

What's your vision for innovation?

The automotive industry faces many challenges that are solved by developing new technologies. We believe that innovation must be pragmatic, overcoming the industry's challenges and providing specific and competitive ways to meet our clients' needs.

What does Novares do to ensure constant innovation?

Novares has an R&D department made up of 37 specialised product and process experts, who are organized across six product lines. We also exchange skills and knowledge with our partners: our in-house teams draw on the skills of our institutional partners, as well as those of startups specialised in cutting-edge technologies, to meet our clients' and users' needs.

We must therefore know how to bring people together, be aware of the skills that we possess as a company and join two worlds that may not otherwise have come together. That's the true nature of open innovation. Our teams discover ideas from elsewhere in the automotive industry that we can easily apply to our vehicles, enhancing the propositions that we make to our clients with a view to better meeting users' needs. Open innovation is the most effective way to accelerate the advent of the car of tomorrow.

This desire for progress, for which the company is renowned, is highlighted each year by the French National Institute of Industrial Property (intermediate-sized enterprise category), which places Novares among the top 10 patent applicants in France.

What are the biggest changes you expect to see in cars of the future?

The automotive industry is undergoing a huge transformation, with very clear objectives regarding green mobility, the integration of new functions, and even the development of self-driving vehicles. At Novares, we believe that plastic parts will play a greater role in all types of engines, in order to shed weight, and thus, to reduce CO₂ emissions. Our job is to find solutions that will reduce CO₂ emissions while remaining accessible to all, with new technologies that meet our clients' and users' needs.



Innovation is rooted in Novares' DNA

Cleaner and more connected, the car of tomorrow will facilitate intuitive driving and offer passengers unique, smart interfaces. To invent systems that dramatically alter interactions between vehicles and their passengers, Novares has focused its efforts on three strategic pillars: R&D, its open innovation laboratory, Nova Car, and an investment fund, Novares Venture Capital, in order to invest in the future.

Novares' strong R&D team is its greatest innovation weapon

Novares invests 6% of its annual turnover back into R&D, employing 750 engineers across the world who work on innovative projects.

All around the world, the engineers at Novares' centers of expertise design and produce systems in line with major trends in the industry, such as reducing the weight of parts and developing clean hybrid and electric vehicles, and even connected and self-driving vehicles.

Novares' open innovation laboratory: Nova Car

A true talent finder in the realm of Deep Tech innovation, Novares invents, develops and jointly develops solutions with startups, innovative companies and research centers. Novares tries out and presents these solutions in its open innovation laboratory: Nova Car.

Novares creates Venture Capital fund to invest in the future

In February 2018, Novares created Novares Venture Capital, a €50 million investment fund, to invest in startups with technical expertise in areas that would enhance Novares' products, as well as to forge long-term partnerships.



Gilles Meyer
CEO of Actronika



"We draw on each other's strengths: Actronika's technical expertise and Novares' in-depth knowledge and understanding of the market and product opportunities."



Chuck Milligan
CEO of FlexEnable



"Novares is a wonderful partner to have when it comes to integrating smart elements into the automotive supply chain.

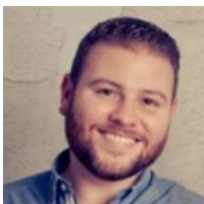
FlexEnable's glass-free display technology meets ever-changing vehicle HMI needs, while also enhancing the experience and improving the safety of passengers."



Anand Kanoria
Managing Director of APAGCoSyst



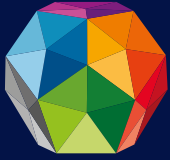
"Working together with Novares brings about innovative ideas and better serves clients with investments to expand capacity and enhance capability."



Arne Casteleyn
Co-CEO and Sales Director at Quad Industries



"Novares' investment in Quad Industries has strengthened our long-term collaboration. Novares possesses the know-how required to integrate our printed electronics technologies into automotive components and systems."



NOVARES
VENTURE CAPITAL

Novares creates Venture Capital fund to invest in the future

Novares Venture Capital works with agile, innovative companies, helping to fund their growth. Rather than providing financial support, Novares also helps these companies in the long-term with their strategic choices, production, industrialisation and the commercialisation of their innovations.

Over the last three years, Novares Venture Capital has made four investments in European startups totalling €12.9 million.



Pierre-Olivier Beck
M&A and Venture Capital Vice President

"With Novares Venture Capital, we aspire to become the partner of choice for startups in the automotive industry, in order to integrate the most innovative and game-changing technologies on the market into our vehicle equipment.

While developing all our vehicle applications, we combine the cutting-edge technologies of our partners and Novares' expertise in integration and industrialisation for the benefit of our vehicle manufacturer clients.

By working with increasingly successful startups, Novares continues to be inquisitive and is always at the cutting edge of innovations, in order to build the car of tomorrow."

Discovering future technologies on Novares Venture Day



Novares Venture Day is part of the company's continued commitment towards innovation. Novares places great emphasis on the future, frequently sourcing startups and innovative small companies and working with these companies through long-term partners and its dedicated investment fund, Novares Venture Capital.

Novares presents new solutions developed for the general public and vehicle manufacturers each year through Nova Car, its demonstration vehicle and true open innovation laboratory.

1ST EDITION – 9 OCTOBER 2019

JURY'S PRIZE



Based in California, Lingrove is a company specialised in equipment and design related to fibres and plant-based resins.



TRIBOSONICS

Tribosonics is a British scale-up specialised in sensing technologies.

NOVARES PRIZE



Wiliot is an Israeli company specialised in semiconductors.

2ND EDITION – 29 OCTOBER 2020

JURY'S PRIZE



ANTENEO

Anteneo is a CEA Tech startup that uses GNSS technology (satellite geolocation) to design incredibly accurate compact antennas.

NOVARES PRIZE



nanomade
Make All Materials Smart

Based in Toulouse, France, Nanomade is a startup offering touch sensor solutions that makes an enormous contribution to the automotive industry, particularly when it comes to designing touchscreen dashboards.



The French company Kapflex is in the process of becoming a supplier, a leader in sensing technologies (Internet Of Things) and a revolutionary force in industry 4.0, driving change in the economic model for the manufacture of smart plastics and providing a profitable solution for all markets where liquid management is essential.

3RD EDITION – 1 JUNE 2021

USER EXPERIENCE PRIZE



Based in France, NAWA Technologies is the world's leading provider of carbon nanotube carpet solutions.

GREEN MOBILITY PRIZE



Based in Grenoble, France, Enerbee provides power generation solutions to develop connected and self-driving vehicles.

INTUITIVE INTERFACE PRIZE



Based in France, Aledia is the only company that produces MicroLED chips on silicon wafers, using high-volume microelectronics foundries to achieve great profitability, while also keeping costs down.

Novares works with innovative startups from across the world. The company is constantly looking to unearth rare gems, especially companies striving for green travel or in-vehicle well-being, or those who work with user interface.

Novares forges strong partnerships with startups, offering them the chance to develop products that will be sold on the international stage, while testing and enhancing their innovations in its open innovation laboratory, the company's demonstration vehicle, Nova Car, and providing them with financial support through the Novares Venture Capital investment fund.

ABOUT NOVARES

**Novares group is a portfolio company of Equistone Partners Europe,
with Bpifrance as second largest shareholder.**

Headquartered in France, Novares is a global plastic solutions provider that designs and manufactures complex components & systems serving the future of the automotive industry. The company creates and produces cutting edge automotive solutions with technical plastic injection for cleaner, lighter, connected, cars with intelligent and intuitive interfaces for all passengers.

Novares co-develops and provides engineering and manufacturing expertise to virtually every OEM and many Tier-1 companies in the automotive market. Novares' 2020 revenues amounted to €1 billion.

The Group is present in 23 countries, runs 42 Manufacturing Plants, 8 Skill Centers, 8 Technical Centers and 23 Customer Service Centers, around the globe to partner with customers, with one out of three vehicles worldwide containing Novares Inside products.

www.novaresteam.com



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Novares Group



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PRESS CONTACT

AGENCE WELLCOM

Sarah Chabane | Charlotte Filaudeau | Julie Regnault
+33 (0)1 46 34 60 60 | novares@wellcom.fr