



CHOMARAT

free to innovate

## A note from our CEO

[www.chomarat.com](http://www.chomarat.com)

“Free  
to  
innovate”

Since its very beginnings in 1898, Chomarat Group has been expanding its ability to take action, to diversify and to anticipate change. Today we are an independent industrial group and world reference in Composite Materials and Engineered Textiles. We have built a worldwide network that provides local support and expertise.

As it constantly seeks out the ideas of tomorrow, the group pursues a strong innovation strategy – we invest in new technologies and remain committed to research through university partnerships all over the world. Our innovative spirit and strong technical expertise, based on a wealth of knowledge, have made Chomarat a vital player in our field.

By focusing on our markets and our partners, Chomarat's teams support their customers in the most innovative sectors such as aerospace or automotive, but also in exacting and highly creative markets like the luxury goods sector.

I have total confidence in all members of the group as we work together to prepare for the future and take up the challenges of tomorrow.

Florent TROUBAT  
*CEO of Chomarat Group*



# Our values

Partnership

Responsibility

Loyalty

Health and safety  
of our staff

Innovation

Customer service

Environment

**The Group focuses on strong values that help our development.**

**Loyalty** through long-standing partnerships founded on trust, respect and confidentiality.

**Courage to take action**, to diversify and anticipate future changes to become a leader in our markets.

**Long-term vision** reflected in new investments and international expansion but also in a commitment to sustainable development through concrete actions and a responsible approach to innovation.

**Health, safety and personal development for every employee. These are the fundamental values of Chomarat Group.**



Photo: JEC Group

Chomarat:  
a world of  
excellence...  
focused on  
**INNOVATION**

You are seeking results, a particular look or a particular touch... We provide a diversity of expertise and a wide range of solutions.

**Striving for excellence is what drives our innovations at Chomarat, whether they are for** the luxury goods sector, aerospace, building & construction, marine, automotive or wind energy.

**In order to offer our customers innovative solutions and develop the materials of the future, Chomarat works closely with internationally renowned universities, research institutes and technical centres. Partnerships on a range of collaborative projects and our work with the University of Stanford and Hanyang University in South Korea are proof of our capacity to invest in bold projects.**

Innovation is also part of our approach to sustainability – protecting the environment, recycling materials, reducing energy consumption, using bio-sourced materials and providing ways to make vehicles lighter...



“ At Chomarat, innovation is always the fruit of human expertise and often originates in meetings and dialogue between the men and women who make up our company and their partners... ”

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# Chomarat worldwide

To support our customers' growth, Chomarat offers industrial solutions on a global scale.

The group has 900 employees across Europe, the United States, China and Tunisia.

Our **three businesses** work in synergy: **Composites Reinforcements, Construction Reinforcements, Coatings & Films – Textiles.**

## CHOMARAT FRANCE

Three plants in Ardèche:

- Composites reinforcements (glass / carbon)
- Construction reinforcements
- Coatings & Films - Textiles



ISO 9001  
ISO/TS 16949 Auto  
EN 9100 Aero

## CHOMARAT NORTH AMERICA

Three plants in Anderson (SC):

- Composites reinforcements (glass / carbon)
- Construction reinforcements



ISO 9001  
ICC-ES: ESR 2953

## CHOMARAT CHINA

One plant in Taicang (Shanghai):

- Composites reinforcements (glass / carbon)



ISO 9001  
ISO 14000  
EN 9100 Aero

## CHOMARAT TUNISIA

Two plants in Grombalia (between Tunis and Hammamet):

- Composites reinforcements (glass)
- Clothing manufacture



ISO 9001



# Composites Reinforcements

Reinforcements for efficient results...

Chomarat has a wide range of technologies for designing and manufacturing fabrics and multiaxial or sandwich reinforcements using materials like **glass, aramid and carbon**.

Backed by our success in the wind energy sector, we have expanded our multiaxial glass reinforcement technologies into international markets.

Chomarat leads the way in innovative carbon reinforcement solutions. With our C-PLY™ range (carbon fibre multiaxial reinforcements), developed in partnership with Professor Tsai from Stanford University, Chomarat opens new perspectives for lighter and more efficient composites for the automotive, sports & leisure, industrial and aerospace markets.

## Defying laws of design with C-Ply™

**KittyHawk™** is a revolutionary wingless airplane developed by VX Aerospace. Designed using C-PLY™, **our carbon multiaxial reinforcement, KittyHawk™** is a lightweight, and efficient airplane with long range and large internal volume.

## Reducing cycle times with G-Flow™

**G-Flow™** is the first 100% glass, 2-in-1 textile reinforcement that combines structural properties and improved resin flow.

Tests have shown that costs are cut by an average of 14% and cycle times by 10% compared with standard solutions!



When materials  
put up resistance...



When it comes to the field of construction and civil engineering, Chomarat is an expert in grid technology, which combines textile and chemical know-how.

The products designed and manufactured by the Group, both grids and fabrics, are used to reinforce roads, civil engineering structures, facades, bituminous membranes, plaster and cement panels.

#### **The C-GRID® example**

In partnership with leading American construction companies, Chomarat designed C-GRID®, a carbon fiber and epoxy resin reinforcement that replaces welded wire mesh in concrete structures and precast panels. It makes structures lighter, more durable and reduces construction costs.

# Construction Reinforcements

## Chomarat competes on all playing fields

Chomarat provides solutions for the largest manufacturers of cement boards. So our reinforcements feature in some of the most prestigious construction projects, like Munich's Allianz Arena Stadium or the Venetian Resort Macau, one of the biggest casinos in Macao.

## Reinforcing tarmac with Roadtex™

Recently installed on runway N°4 at Roissy-Charles de Gaulle airport is 200,000 sqm of Chomarat's Roadtex™ grids, specifically designed for pavement reinforcement and crack control.

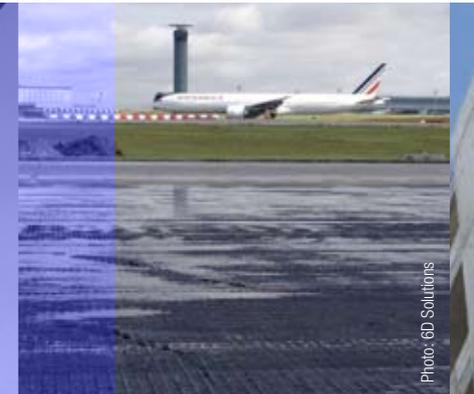


Photo: 6D Solutions

The “Chomarat style”, from the automotive industry... to the luxury goods sector

Chomarat is a specialist in coated fabrics for such sectors as the automotive industry, luxury luggage, protective clothing, and industry. We are also experts in technical films for hot stamping. Our solutions for these exacting markets combine efficiency, comfort and finish.

Chomarat uses coating and extrusion technologies. Our expertise in both materials and chemical formulas enables us to offer a wide range of textures, colours and grains. When designing and improving our technical products, our designers take inspiration from current trends and seek out new looks. By combining technical expertise with creative force, the company is making a name for itself in the luxury goods sector.

Chomarat plays a key role in the development of new solutions in the TPO thermoplastic coating market, using TPO to make door panels, dashboards and carpets. This new generation of materials is recyclable, helping to reduce the overall vehicle weight.

At Chomarat we offer expertise in the manufacture of high-end ready-to-wear clothing, as well as our skills in leather craft.

## Coatings & Films - Textiles

### Oflex Design™, when two worlds come together – coatings and composites...

Chomarat's expertise covers both textile technologies for composites and coating processes, enabling us to offer unique solutions that combine design and performance.

Our Oflex Design™ range consists of a glass or carbon reinforcement impregnated with a flexible, translucent thermoplastic matrix and offers a broad range of combinations.

### Green is Chic!

OFLEX™ Bio-based is a plant-based fabric that is recyclable, easy to dye and free of plasticisers. It consists of a textile material or foam coated with these new bio-sourced TPOs that are free of phthalates and PVCs.

OFLEX™ Bio-based **offers many design options and a high level of performance.** It is soft to the touch and is a great alternative to coated PVCs and leathers!





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