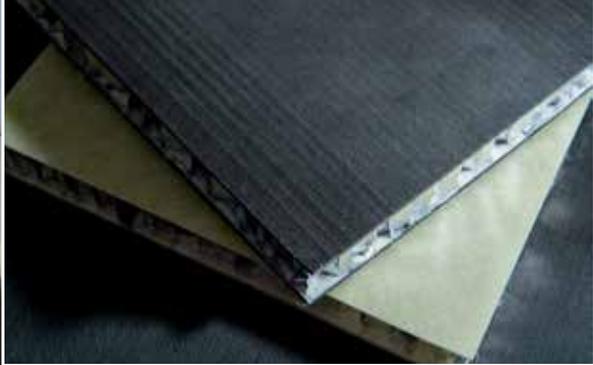




**Innovative, customized prepreg solutions
for advanced composite markets.**



About Notus

Notus Composites manufactures next generation prepreg materials at their facilities in the UAE. Notus specialize in producing innovative, cost-effective and customised prepreg and resin film solutions for advance composite markets such as: architectural composites, wind energy, automotive, rail, aerospace, marine, sporting goods and several other industrial applications.

Since 2015, when Notus was established in the UAE and awarded the Ras Al Khaimah Free Trade Zone Business Excellence Award for Best New Start-up, the company has established a solid foundation in the advanced composites markets in the Middle East, Asia and Europe.

Notus is especially well known within the ME region for its products' outstanding fire performance, which is one of the key requirements for composite materials to be used in architectural projects. Notus believes this market will continue to grow quickly, not just in the Middle East, but also in Europe, the US and the rest of the world.

Their market leading range of prepregs materials and resin films with unmatched FR results make them a strong and reliable partner for the architectural market.

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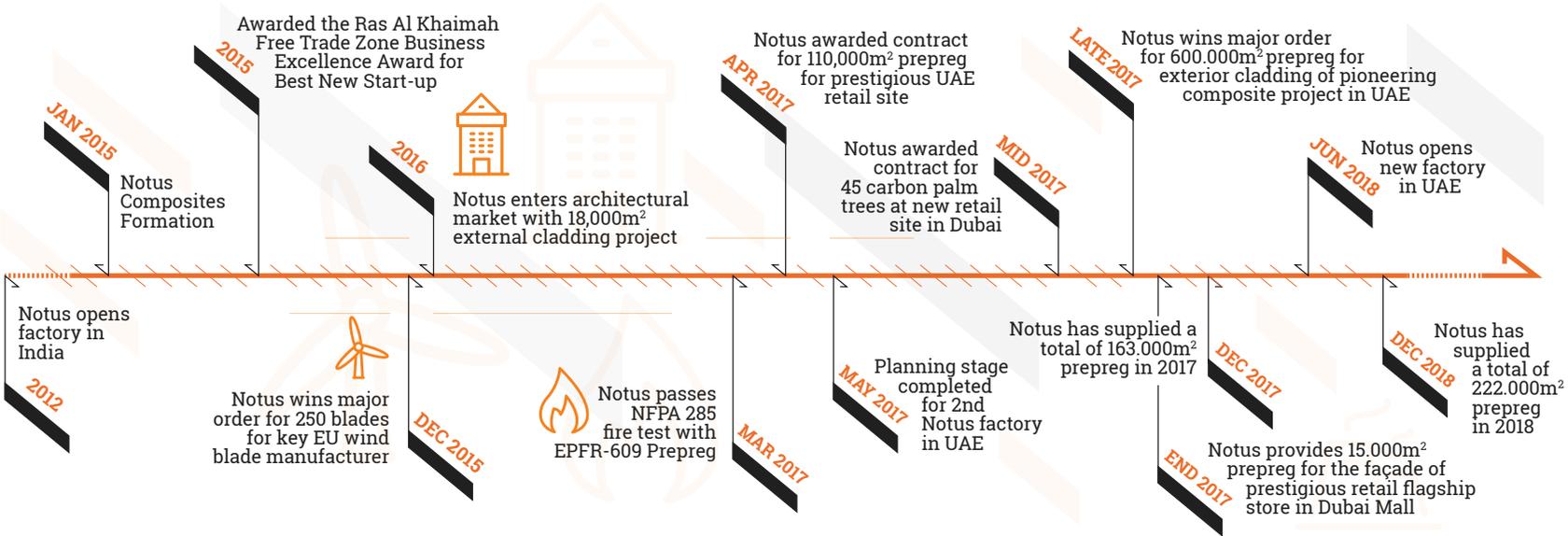
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Our History

In only a few years Notus Composites has grown quickly, winning international contracts in wind energy and for prestigious architectural projects in the Middle East.

Building on a strong technical and manufacturing foundation, the next chapter of the Notus story will see significant capacity expansion and new product development.



Fire Resistant Solutions

Notus offers a unique range of fire smoke and toxicity (FST) solutions; their epoxy and phenolic prepregs have been tested and certified to all the key architectural industry standards.

The company is the only prepreg manufacturer in the world whose epoxy FR materials have successfully passed the challenging NFPA 285 and EN13501-1 tests as well as having Class A results for ASTM E84.

An extensive independent testing regime demonstrates the capabilities of Notus FR products and the market leading fire performance that they deliver.



Fire Test Results



NFPA 285	EPFR-609 + NE11FR PASSED ALL TEST REQUIREMENTS	✓
EN13501-1	EPFR-609 + NE11FR PASSED – ACHIEVES B – s1 d0	✓
ASTM E108	EPFR-609 + NE11FR PASSED – ACHIEVES CLASS A	✓
ASTM E84	EPFR-609 + NE11FR TESTED CLASS A (FS 10, SD 65)	✓
FAR 25.853	BOTH EPFR-609 (EPOXY) AND NP12 (PHENOLIC) PASSED	✓

OUR KEY PRODUCTS

EPOXY PREPREGS:



Notus NE5:

NE5 is Notus' next generation low pressure vacuum curing epoxy prepreg system with cure temperatures ranging from 85-120°C.

The high flow matrix system has been formulated to be especially suited to large structural applications such as wind turbine blades, marine craft and other industrial applications. NE5 materials are available in prepreg and N1-Preg formats with all types of reinforcements including heavyweight fabrics.

Benefits:

- Versatile curing temperature, 85-120°C.
- Low exotherm risk, even for thick laminates.
- High flow resin matrix.
- Good finished part surface finish.
- Long out-life and shelf-life.

Notus NE6:

Notus NE6 is a high-performance epoxy prepreg system that can be cured at temperatures as low as 80°C.

The high flow resin matrix produces even and consistent wet out in the laminate, even when using the heaviest reinforcement fabrics. NE6 is available in all prepreg and N1-Preg formats with unidirectional, multiaxial and woven reinforcements, it can also be supplied as a resin film.

Benefits:

- Low cure temperature.
- High flow resin matrix.
- Suitable for vacuum and autoclave curing.
- Low exotherm risk, even for thick laminates.
- Long out-life and shelf-life.

OUR KEY PRODUCTS EPOXY PREPREGS:



OUR KEY PRODUCTS

FIRE RETARDANT PREPREGS:



Notus EPFR-609:

EPFR-609 is a market leading fire-retardant epoxy prepreg system that combines outstanding FST performance with excellent handling characteristics and a long out life.

It is the perfect choice for Architecture and other industrial sectors in which reaction to fire and low smoke toxicity are key factors. EPFR-609 (along with NE11FR) has passed the FAR 25.853 and NFPA 285 tests as well as having Class A results for ASTM E84. It is available in all prepreg and N1-Preg formats.

Benefits:

- Exceptional fire performance.
- Passed NFPA 285 and ASTM E84 tests.
- Low exotherm risk, even for thick laminates.
- Long out-life and shelf-life.
- High strength bonding with honeycomb and foam cores.

Notus NE11FR:

NE11FR is an intumescent epoxy resin film formulated to meet the most stringent fire standards.

This thin film epoxy system provides exceptional fire protection in architectural applications and individual structural components. Notus recommends using NE11FR films in combination with the EPFR 609 prepreg system.

Benefits:

- Passed NFPA 285 and ASTM E84 tests.
- Stable insulating char provides fire barrier to laminate substrate.
- Flexible curing temperature.
- Low pressure moulding capability.
- Long out life and shelf life.
- Excellent handling characteristics.

OUR KEY PRODUCTS FIRE RETARDANT PREPREGS:



OUR KEY PRODUCTS

N1-PREG:



Notus N1-preg:

Notus N1-Preg is a versatile epoxy prepreg format that provides exceptional quality laminates and reduces production hours.

N1-preg materials are made by applying a catalysed resin film to one side of a reinforcement fabric. They are especially suited for large structural components and complex laminates. Notus offer a full range of epoxy resin systems in N1-preg format including fire retardant and low temperature curing variants.

Benefits:

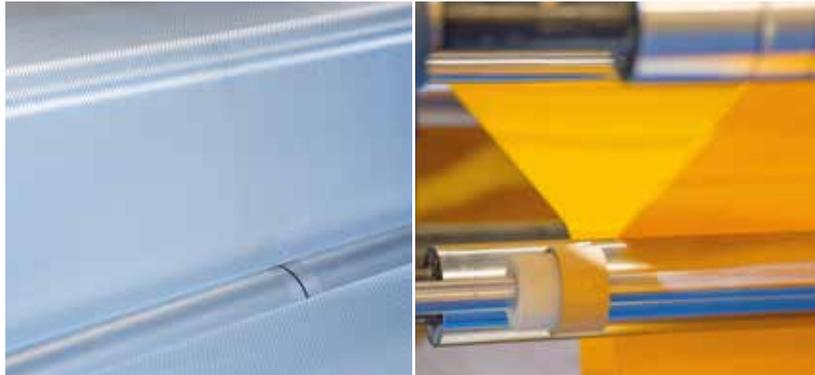
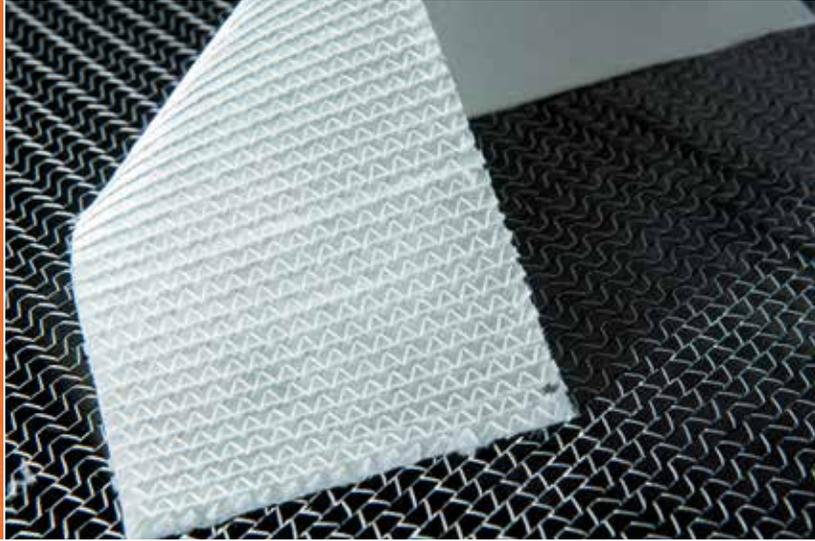
- Extremely low laminate void content.
- Faster processing of thick laminates without debulking.



Materials Engineering Services

Besides supplying a complete portfolio of innovative prepreg and resin film solutions, Notus also offers a bespoke materials engineering service.

The company's dedicated technical team can work alongside customers and offer tailored packages that optimise their material selection and production efficiency. Resistance to fire, cure time, tack level and surface finish are just a few of the variables that Notus can adjust when developing a custom product specific to a client's project requirements.

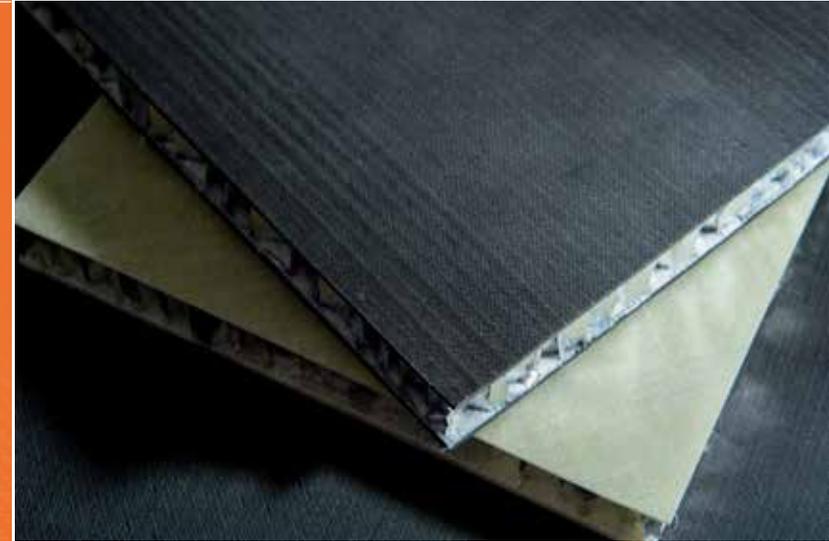


Prototyping

A key part of Notus' work involves supporting customers, who are new to prepregs, with the development of their production processes, enabling them to take advantage of all the benefits of the innovative prepreg systems.

Notus can advise on tooling materials and design, initial prototype parts, testing and verification through a network of external partners. The company can develop a robust and efficient production methodology specific to the customer's chosen materials and project. Notus welcomes clients to work with them on prototype parts, no matter the size of the project, to ensure they see the full potential of prepreg materials.

The company can also provide prepreg (moulding) training for clients.





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