

## MATRASUR Composites Takes up the Challenge of "Zero-emission" Production

How to offer customers competitive products and high quality? How to modernize a company in the composite industry while meeting the new sustainable development requirements? MATRASUR Composites offers new industrial solutions by designing production workshops that provide sustained production that complies with environmental regulations while remaining competitive.

### Regaining Competitiveness: How to preserve or develop a company?



"Our knowledge of the composite industry enables us to advise our customers in France and worldwide on the process of industrializing and robotizing production to optimize costs", says Claude Chouet, Sales Manager at MATRASUR Composites. Profitability is reached in less than three years. Reorganization of the production line provides direct economic benefits such as lower production costs and significantly reduced energy consumption for the ventilation and heating of the workshop surface. Energy costs can be divided by 4 or sometimes even 5. The combination of these factors allows companies

to remain competitive or to regain competitiveness against their competitors. Production robotization also brings consistent quality.

### Example of a Pool Manufacturer

The production of a pool which initially required 35 to 40 hours of labour was reduced to less than 15 hours through the industrialization process implemented by MATRASUR Composites. "Industrialization of the company's activity reduced manufacturing times, annual labour costs, raw-material consumption (-12%) and the surface area of the workshop itself, thereby reducing the heated and ventilated surface by 80%", says Claude Chouet. The energy balance is extremely good.

### Relevant to all companies

The corporate culture is not naturally oriented towards industrialization. "Companies must feel ready to make such changes. Small businesses may prefer to proceed by stages to reach their goal and gradually assimilate these changes. We propose alternative production methods that are more or less defined over a short term," says Claude Chouet. "We base ourselves on the calculation of a part cost. We assist the company in defining its objectives". All businesses are concerned, small or large, regardless of the application area and the country in which they are based. MATRASUR Composites has an application lab for the small-scale testing of technical choices, materials and processes available. A large area of the workshop is dedicated to system and robot simulation tests under real operating conditions.

### Towards a "zero-emission" unit

Open-mould production generates significant VOC emissions in the composite industry. According to Claude Chouet, "Creating closed areas mainly using robotic machinery keeps employees away from risk areas and solves the problem of emission exposure. We offer our customers tailored solutions that make it possible to reduce the size of the workshop's production area by 75%". This enables companies to anticipate environmental regulations and ensure site compliance with standards over time.

### About MATRASUR

Composites French manufacturer, integrator and distributor, MATRASUR Composites boasts 30 years of experience and expertise in the design of equipment and production lines for making composite parts. Matrasur Composites counts about 5,500 machines and systems in operation and 1,000 customers in France and worldwide.