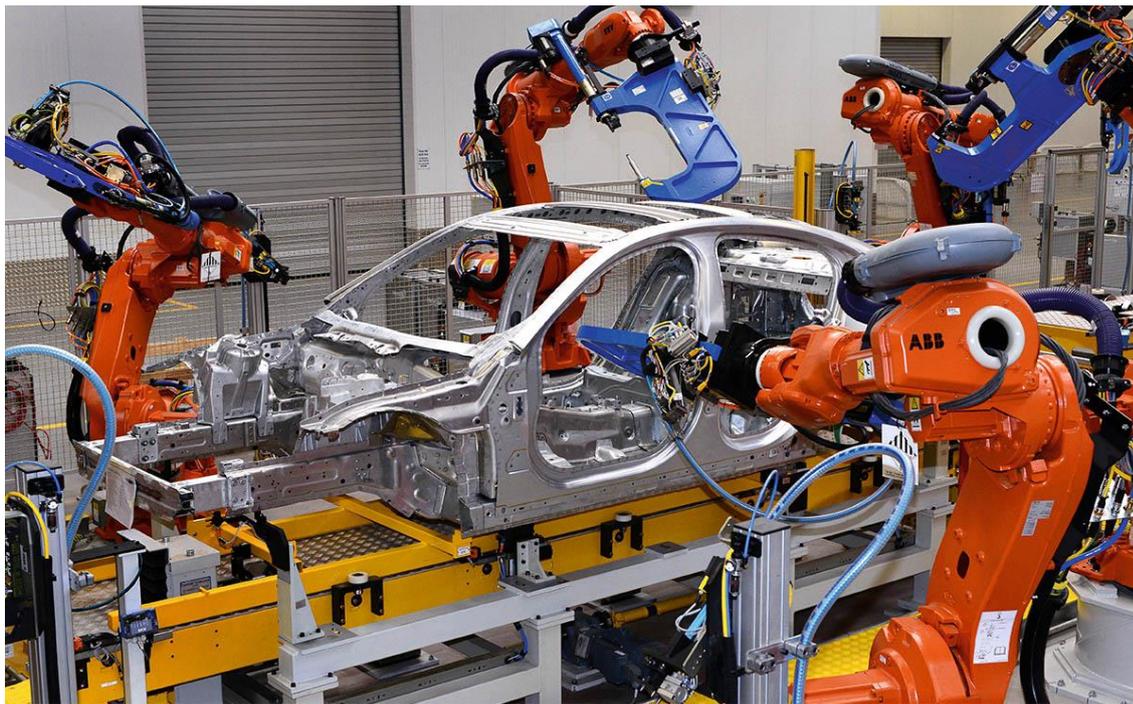




Focus on Transportation



REAL' change at Jaguar Land Rover

Jaguar Land Rover came to IOM3 to celebrate the success of its REALCAR Project, using up to 50% recycled aluminium in new cars. Jaguar Land Rover (JLR) celebrated the success of phase two of the REALCAR Project and the first year of sales of the Jaguar XE with an event at IOM3, London, to discuss

the present and future of the project and of aluminium recycling in automotive vehicles. A collaboration between JLR and UK organisations Innovate UK, Novelis, Norton Aluminium, Stadco, Brunel University London and Innoval Technology, REALCAR – Recycled Aluminium Car – was launched in 2008 in an effort to explore the benefits the circular economy might bring to car manufacturing.

[Read more](#)



High-strength steels enable novel lightweight marine structures

Steel and shipbuilding experts joined their forces to develop novel lightweight marine structures. The utilisation of high-strength steels combined with advanced production technologies results in the weight reduction up to 20 percent bringing numerous advantages. The new lightweight solution based on high-strength steels enables energy-efficient and eco-friendly large marine structures, such as passenger ships. In addition to energy-efficiency and increased productivity, the developed lightweight structures open new opportunities to design. In innovative passenger ship concepts customer experience and so called “wow-effects” are key design drivers. At the moment the weight of steel is limiting the design of concepts.

[Read more](#)



Electric mobility technology and service development in Finland – EVE programme 2011-2015

One of the most important drivers to electrify traffic and transportation are the zero emission levels – at least locally – of CO₂, NO_x and particles. Another significant driver is the energy efficiency of electric vehicle which is substantially better than in conventional combustion engine powered vehicles. According to some studies the total efficiency of electric vehicles from well to wheel is three times as good as the total efficiency of petrol driven vehicles.

The European and national emission reduction target levels for traffic have been set for 2020 and beyond. It is quite obvious that the targets cannot be met without reducing remarkably the use of fossil fuels, and shifting to electric power in transportation and logistics. Similar mindset was also in the background in 2009-2010 when the studies about the meaning and importance of electric cars and electric mobility for Finnish society in the years to come were carried out. The main result of these studies was the identification of business possibilities for Finnish industry in the fields of mobile machinery

electrification, vehicle software, charging technology, automotive industry components and electric mobility infrastructure.

[Read more](#)



MATCH collaborative projects database

MATCH is launching a collaborative projects database (login: 'Expert Login' & Password: 'match_expert') on the topic of research & innovation on Materials. The uniqueness of this database is related to the fact that it covers Regional and National projects activities across Europe which information is not available anywhere else online. This database is of general interest, being steadily grown up and will be sustained beyond the MATCH initiative.

There are actually two main and complementary uses Materials stakeholders can make from this database:

- 1) One can search information useful for future business and R&I activities (topic ideas, ongoing activities, competences, partnership, local initiatives...).
- 2) One can upload new project(s) on the database for visibility and networking purposes.

Please, note that the database is still under construction and will be improved in the upcoming months. Contact to receive a 'user guide' for the database and/or to upload new projects: jerome.gavillet@cea.fr

[Read more](#)



Horizon Prize – Materials for Clean Air

In the European Union, the average life expectancy is estimated to be decreased by 8.6 months, because of exposure to particulate matter resulting from human activities. The inhalation of particulate matter can also lead to adverse effects in the respiratory, cardiovascular, immune, and neural systems. In addition to its effects on the human health, particulate matter can also have adverse effects on climate change and ecosystems.

The Horizon Prize on materials for clean air is a €3 million prize that will be awarded to the person or team who can most effectively meet the following challenge: develop the best innovative design-driven material solution to reduce the concentration of particulate matter in urban areas.

[Read more](#)

Match EDIT 6 febbraio 2017

Maximizing Stakeholders' Interests

1000 2000 3000 4000 5000
DISTANCE TO CONSUMING MARKET (Km)



YouTube



MATCH Video published

Video is now available on MATCH website.

[Read more](#)



EuroNanoForum
2017

EuroNanoForum 2017

June 21-23, 2017, Malta

The EuroNanoForum 2017 conference (ENF 2017) will take place on 21-23 June 2017 in Malta under the auspices of the

Maltese presidency of the European Union. It is organised in cooperation with the European Commission's Directorate-General for Research and Innovation.

European competitiveness and jobs depend on strengthening European manufacturing capabilities by providing essential technology building blocks in the form of high value-added products and their manufacturing processes in strategic European value chains. The aim of the conference is to contribute to these efforts of strengthening European competitiveness and supporting the renewal of its manufacturing industries, by the aid of nano- and microtechnologies and advanced materials.

ENF2017 will review the status of European technology development in nanotechnology and advanced materials industries, discussing the latest progress in nanoscience and nanotechnology, and their contribution to innovation in manufacturing across all industrial sectors.

Also MATCH Final workshop will be arranged on Friday, June 23rd during the ENF conference.

[Read more](#)

Editorial board members



[Read more on Newsletter Editorial Board](#)

The MATCH project was initiated to strengthen and deepen the Alliance4Materials strategy with a further increased stakeholder network. The project is coordinated by Italian Centro Sviluppo Materiali and the whole consortium consists of 18 partners from nine countries representing the six related European Technology Platforms and several major European material research organisations.

The project started in January 2015 and will continue for 30 months until June 2017. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 646031. [Read more](#)