

NEWSLETTER No 2 (November 2016)



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CO-Pilot: European Nanomaterials Pilot manufacturing Services



Serving new customers with new nanomaterials offers businesses challenges in relation towards investments, manufacturing and delivery. Investments in pilot facilities are of high risk for businesses concerning ROI, customers, processing etc. CO-Pilot reduces this risk and assist you in growing your business. We offer you a wide range of services related towards the pilot manufacturing of nanomaterials. Today CO-Pilot is a network organisation of different European organisations.

CO-Pilot Meeting: Fraunhofer ISC - Würzburg



CO-Pilot is becoming a business activity. In the last year manufacturing equipment is installed, research is executed and results are booked. Last week the technology and business progress has been discussed with different expert throughout Europe. Pilot manufacturing of nanomaterials is recognized by the EC as one of the crucial steps to assist in the creation of new business activities within this field. Interested in pilot manufacturing of nanomaterials?

Brightlands Materials Centre installs nanomaterials centrifuge



Continuous and precise manufacturing of nanoparticles is a challenge. The Co-Pilot project demonstrated in the pilot plant at partner Fraunhofer ISC that a new nanomaterials centrifuge is a valuable tool in producing nanoparticles in a scalable, cost-effective way. Based on this experience, another partners, TNO, decided to install such a centrifuge too at its department [Brightlands Materials Centre](#) at the Chemelot Chemical Campus in Geleen (this installation was done outside the scope of the Co-Pilot project).

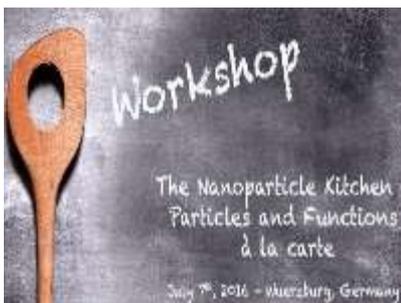
The centrifuge can also be offered to others.

Co-Pilot presents at Industrial Technologies Amsterdam



Co-Pilot has been presented at the [Industrial Technologies](#) conference in Amsterdam. Together with other partners we have demonstrated the production of nanoparticles, using online tools to monitor the quality of the nanoparticles live. In-depth discussions have been taken place concerning our pilot manufacturing services, we are starting to offer to customers beyond the scope of the [Horizon2020 project](#). We aim to assist more customers with pilot manufacturing questions of nanomaterials.

Co-Pilot workshop: pilot manufacturing of nanoparticles



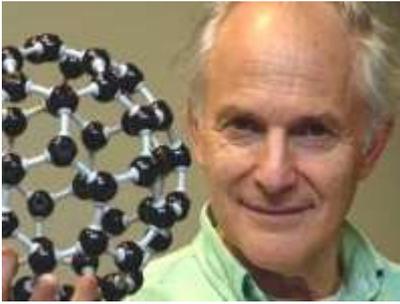
Nanoparticles offer many options for improving today's products. Many people don't know exactly what nanoparticles and nanotechnology can do for your products and lack the industrial processes. Over 50 participants have been discussing, in a European Framework, the topics properties of nanomaterials and the scalability. Exactly the field in which CO-Pilot strives to be active in .

Smart TiO₂ nanocomposites for self-cleaning coatings of ship hulls



The remarkable surface properties and favorable environmental effects of non-stick, silicone-based, and fouling release (FR) coatings have supported their economic and ecological applications in the marine shipping industry since organotin compounds have been banned. International researchers prepared and characterized a novel series of solar light-boosted nanocomposites, and applied these materials as a modern stream for ship hull FR technology in field.

Buckyball pioneer Harold Kroto dies at 76



The chemist Harold Kroto, whose co-discovery of the carbon-60 molecule played an important role in the development of carbon-based nanotechnology, died on 30 April aged 76. Kroto shared the 1996 Nobel Prize for Chemistry with Richard Smalley, for their discovery a decade earlier that 60 carbon atoms could form hollow ball-like molecules. The structures were dubbed buckminsterfullerene, or "buckyballs", because of their resemblance to the geodesic domes.

