COMELEC SA

Short description:

COMELEC SA is an European leader in Parylene coating for various applications and large range of layer thickness (from 50nm to 100 µm). The company has proprietary knowledge on surface modification by three parylene types (C, N, D) and fluorinated parylene (VT4 and AF4), which allows optimization of deposition processes for demanded purpose (e.g. transparent, biocompatible, friction resistant, pin-hole free, dielectrical and moisture barrier). Parylene is an FDA approved material, which together with unique properties makes in a candidate for various high-tech medtech products. The company has expertise in developing customized process and translating it in new or adapted production lines, incl. miniaturized silicon components like sensors and MEMS for watch making, medical devices or aviation and space.

Partnership / cooperation possibilities:

The company is primarily looking for new applications of parylene coatings, where customization of existing deposition tools is available. This could include miniaturized passive & active electronic and optical components, coatings of various materials for medical devices or corrosion or mechanical stability coatings for macro or micro-components. The parylene material is very well positioned for high quality protective layers, with potentially additional functionality (based on surface chemistry). Additionnally Comelec is also able to manufacture advanced Parylene coating equipment by combining with other vacuum process (eg: plasma, sputtering, chemical grafting,..).

Possible H2020 calls (2016-2017):

FoF 01-2016: Novel hybrid approaches for additive and subtractive manufacturing machines

FoF 03-2016: Zero-defect strategies at system level for multi-stage manufacturing in production lines

NMBP 17-2016: Advanced materials solutions and architectures for high efficiency solar energy harvesting

NMBP 44-2016 Pilot lines for manufacturing of materials with customized thermal/electrical conductivity properties

NMBP 45-2016: Pilot Line Manufacturing of Nanostructured Antimicrobial Surfaces using Advanced Nanosurface Functionalization Technologies

ICT2 – 2016: Thin, Organic and Large Area Electronics (TOLAE)

ICT3 – 2016: SSI – Smart System Integration

ICT29 – 2016: Photonics KET 2016

NMBP 12-2017: Development of a reliable methodology for better risk management of engineered Biomaterials in Advanced Therapy Medicinal Products and/or Medical Devices

NMBP 46-2017: Pilot Lines for Manufacturing of Nanotextured surfaces with enhanced mechanical properties

NMBP 47-2017: Pilot Lines for 3D printed and/or injection moulded polymeric or ceramic microfluidic MEMS

Contacts:

COMELEC SA
Rue de la Paix 129,
2301 La Chaux-de-Fonds (Switzerland)

Hicham Damsir
Business development manager
Phone : +41 (0) 32 924 00 04
h.damsir@comelec.ch

Dr. Bourgeois Florian
R&D Project Manager
Phone : +41 (0) 32 924 00 04
f.bourgeois@comelec.ch

Webpage:
http://www.comelec.ch/en/index.php