

Projects

Research	Funding Bodies	Durations
Surface triangulation and the downstream effects on surface flattening	EPSRC + Delcam	Sept 2006- Sept 2009
Efficient Robust Polynomial Approximation of the GCS	Delcam (DTA)	Sept 2009- Sept 2012
ECO-efficient LASER technology for FACTories of the future (ECO-LASERFACT) http://www.ecolaserfact.eu/content/about-eco-laserfact (http://www.ecolaserfact.eu/content/about-eco-laserfact)	INTERREG IVB NEW	May 2012 - April 2015
High performance Production line for Small Series Metal Parts (Hyproline) http://hyproline.eu/ (http://hyproline.eu/)	FP7 NMP	Sep 2012 - Aug 2015
Laser-Based Modules for Functional Surface Texturing: Integration and Process Design Issues http://www.kimm.re.kr/english/html/index.php (http://www.kimm.re.kr/english/html/index.php)	KIMM	Nov 2012 - May 2017
Integrating European research infrastructures for micro-nano fabrication of functional structures and devices out of a knowledge-based multimaterials' repertoire (EUMINAFab) http://www.euminafab.eu/ (http://www.euminafab.eu/)	FP7 Infrastructure	Feb 2012 - Aug 2013
Additive Layer Manufacturing of Superelastic Auxetic Structures: Experimental Development and Numerical Modelling	DSTL and MOD	August 2013- February 2014
Net Shape Manufacture of Ni Superalloy Engine Casing (NESMONIC)	Clean Sky	May 2013-May 2015
Advanced Manufacturing of Multi-Material Multi-Functional Products towards 2020 and Beyond (4M2020) http://www.4m2020.eu/ (http://www.4m2020.eu/)	FP7 NMP	Sept 2013 - Aug 2016
High throughput integrated technologies for multimaterial functional Micro Components (HINMICO) http://www.hinmico.eu/ (http://www.hinmico.eu/)	FP7 NMP	Oct 2013 - Sep 2016
A Synergetic Training Network on Energy beam Processing: from Modelling to Industrial Applications (STEEP) http://www.steep-itn.eu/steep/index.aspx (http://www.steep-itn.eu/steep/index.aspx)	FP7-PEOPLE-Marie Curie-ITN	Jan 2013 – Jan 2017
Robotic decommissioning in alpha-contaminated environments	Nuclear Decommissioning Authority (NDA)	Oct. 2011 – Sept. 2015
Vision-based trajectory control of unsensored robots to increase functionality, without robot hardware modification	Nuclear Decommissioning Authority (NDA)	Oct. 2013 – Sept. 2016
Flexible robotic control via co-operation between an operator and an AI based control system	Dstl (Ministry of Defence)	Jan. 2013 – Jan. 2017.
Laser Enabled Advanced Printing (LEAP)	TSB	March 2014 - Sept. 2014
Automated Manufacturing Process Integrated with Intelligent Tooling Systems (AUTOMAN)	TSB	Feb. 2014 - Jan. 2017