

Welcome to our first newsletter.

We have decided to issue a newsletter to keep our employees and clients up to date on relevant information relating to our project and industry.

If you have any contributions to make to these publications

please forward them to our Communications Manager,

dymnamccarroll@cavanitc.ie

We hope you enjoy the read!



In this issue:

P1: Target Project Launched

P2: Staff Profile

P3: Case Study; Events

P4: Target Partners

INNAGURAL PROJECT MEETING

Representatives from partner organisations across the Northern Periphery and Arctic Programme descended on Enniskillen, Co Fermanagh (N Ireland) recently to discuss the implementation of the newly approved TARGET Programme. The TARGET Programme has as its objective to deliver state-of-the-art manufacturing supports to local businesses and is funded under the Northern Periphery & Arctic Programme 2014-2020. Grant assistance is received through the European Regional Development Fund and managed through the Special EU Programmes Body.

The two day event brought together delegates from Centria University of Applied Sciences, Finland; Narvik University, Norway; Lulea University of Technology, Sweden, University of Iceland; Sligo Local Enterprise Office; Cavan Local Enterprise Office and Cavan Innovation & Technology Centre, at the home of lead partner South West College, in Enniskillen.

Manufacturing companies in the Northern Periphery & Arctic (NPA) Region face considerable challenges in terms of retaining competitiveness, adopting new technology and processes and their capacity to innovate. Malachy McAleer, Director of South West College explained that *"the aim of this project is to develop the tools to allow manufacturing companies in the NPA Region to adapt and embrace the next generation of technology and innovation"*. He described how *"each of the partner organisations have specialist skill sets focused on ensuring that the local and regional manufacturing base will be globally competitive and innovative through the utilisation of the advanced technology and digital manufacturing techniques available through the partnership"*.

Vincent Reynolds, Local Enterprise Cavan described how *"the project results will reduce the competitive and knowledge gap of participating manufacturing companies that participate in the programme through the introduction of new processes, techniques, knowledge and skills"*. He went on to say that *"the programme will demonstrate the benefits to be gained through the application of these supports and position NPA Manufacturing industries as leaders in their sector thereby building sustainable competitive advantage"*.



Northern Periphery and
Arctic Programme

2014-2020



EUROPEAN UNION

Investing in your future
European Regional Development Fund

**South West
College**



Narvik University College

Centria
UNIVERSITY OF APPLIED SCIENCES



UNIVERSITY OF ICELAND

LULEÅ
UNIVERSITY
OF TECHNOLOGY

CITC
Cavan Innovation & Technology Centre

Local Enterprise Office

PROFILE: Padraig McNamee

*Head of Department
of Technology
South West College
Dungannon
Northern Ireland*



Where you might recognise me from

What I am most looking forward to in my new role

The core competencies that South West College brings to the project

My hobbies

The best advice I have ever been given

CASE STUDY – From Centria, Finland

3D Modelling and 3D Printing of Corner Profiles for Doors



Drawing, 3D model and printed 3D prototype of a corner profile

ISSUE:

Reverse Engineering including 3D printing

INFORMATION:

Kaskipuu Ltd was developing new wooden doors with glass windows. The frame around the window was made of special plastic.

OBJECTIVE:

The company had designed three different drawings made by 2D CAD software. They needed 3D models and wanted to print them in 3D format for assembly tests. The goal of the demonstrator was to show how the process starting from 2D drawings continues through 3D modelling to 3D printing.

IMPLEMENTATION:

Based on the 2D drawings, 3D modelling was carried out using SolidWorks software. 3D models were first analysed as digital prototypes and then the accepted 3D models were saved in STL-format for the 3D printer. The prototypes were printed out using Centria's 3D printer Dimension SST768.

IMPLICATION:

Based on the demonstrator, the company was able to choose the best alternative for future design.

SHANGHAI Event

John to provide
information here

KUOPIO Event

John to provide
information here



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Narvik University College



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UNIVERSITY OF ICELAND



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LULEÅ
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OF TECHNOLOGY



CITC
Cavan Innovation & Technology Centre



Local Enterprise Office

TARGET PARTNERS:

The Target Partnership is made up of 7 partners across six countries. These are:

South West College, 2 Mountjoy Road, Omagh, Co Tyrone, N. Ireland; BT79 7AH; Tel.: 00448456031881; E:mail: edel.mccusker@swc.ac.uk; Website: www.swc.ac.uk.

Lulea University of Technology, Universitetsområdet Porson, 97187, Lulea, Sweden; Tel: 0046 920492061; E:mail: asaeri@ltu.se; www.ilt.se

Narvik University College, Lodve Langes gate 2, 8505 Narvik, Norway; Tel: 0047 76966351; e:mail: wds@hin.no; Web: www.nuc.hin.no.

Centria University of Applied Sciences, Talonpojankatu 2, 671000 Kokkula, Finland; Tel: 003544492564; E:mail: sakari.pieska@centria.fi; Web: www.centria.fi

University of Iceland, Hjaróarhagi 2-6, 107 Reykjavik, Iceland; Tel: 003545254635; E:mail: gvo@hi.is; Web: www.his.is

Sligo Local Enterprise Office, City Hall, Quay Street, Sligo; Tel: 0035371 9144779; E:mail: liamkiely@sligoenterprise.ie; Web: www.localenterprise.ie/sligo

Cavan Innovation & Technology Centre/Local Enterprise Cavan, Dublin Road, Cavan, Ireland H12 R6D6; Tel: 00353494377277; Email vincentreynolds@leo.cavancoco.ie or dymnammccarron@cavanitc.ie; www.cavanitc/NPA.ie

Each of the partner organisations have specialist skill sets focused on ensuring that the local and regional manufacturing base will be globally competitive and innovative through the utilisation of the advanced technology and digital manufacturing techniques available through the partnership. For further information contact your regional office or Project Manager

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