COLLEGE DEVELOPMENT PLAN
2018-21

SWC

www.swc.ac.uk

OUR STRATEGIC PRIORITIES

1. **DEVELOPING A REGION WITH NO SKILLS GAPS**
   - Progressive and future-proofed professional and technical education and training
   - Higher Education
   - SME R&D and innovation support
   - SMART Region

2. **TACKLING ECONOMIC ACTIVITY**
   - Addressing economic activity and reaching out to those with low qualifications
   - Rural proofing our services

3. **EDUCATIONAL PATHWAYS TO PROGRESSION & SUCCESS**
   - Excellence in teaching and learning which is student focussed
   - Student digital learning and our on-line presence
   - Education and skills Innovation Clusters

4. **STAFF & STUDENT WELLBEING AND DEVELOPMENT**
   - Listening to and responding to the Student Voice
   - An excellent student experience
   - Looking after developing our staff
   - Citizenship, social responsibility and environmental sustainability

5. **A GLOBAL PRESENCE**
   - International best practice and widening the horizons of our students and staff
   - Innovation through dynamic partnerships and collaborations
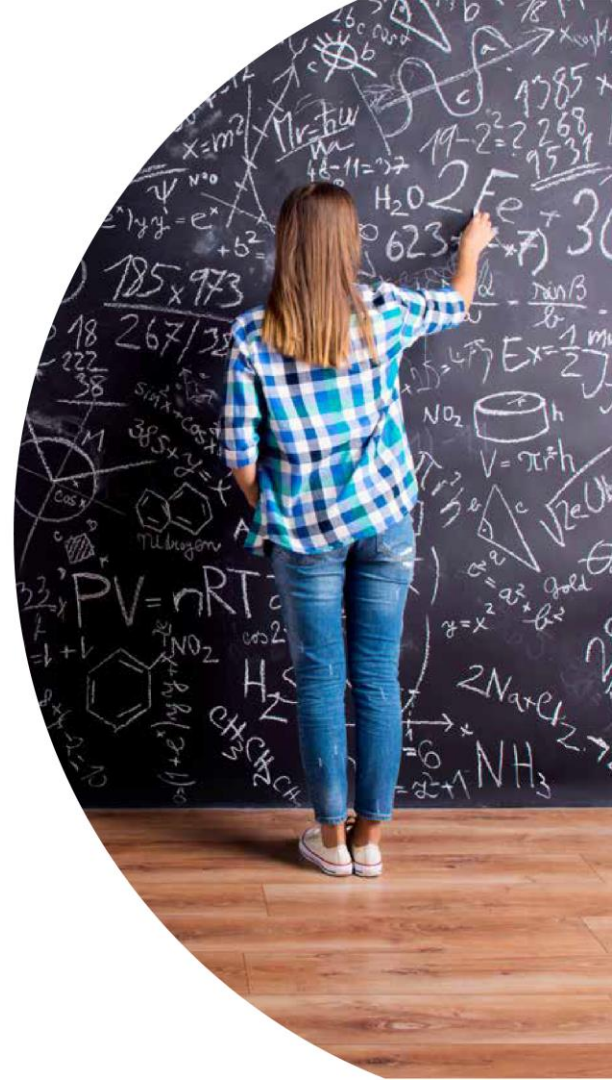
6. **WORLD CLASS: EXCELLENCE, QUALITY & BRAND**
   - Continuous improvements and efficiencies
   - A world class estate
   - A destination of choice

STUDENT INTEREST AND ACCESS

STRATEGIC OBJECTIVE 1

INCREASE THE NUMBER OF STUDENTS EASILY ACCESSING EDUCATION AND TRAINING, INCLUDING THOSE WHO ARE HARDER TO REACH

1. Improve the understanding and perceived value of educational opportunities offered by SWC

2. Increase student interest and success in industries experiencing skills gaps

3. Identify and reduce access barriers for all prospective students, particularly among underserved populations

PATHWAYS FOR STUDENT SUCCESS

STRATEGIC OBJECTIVE 2

PROVIDE A CONTINUUM OF EDUCATION AND TRAINING TO STUDENTS THROUGH A DYNAMIC FUTURE-PROOFED CURRICULUM OFFER WHICH IS ALIGNED TO THE NEEDS OF INDUSTRY

1. Enhance Curriculum & Skills Training Delivery

- Align curriculum pathways through the implementation of a Curriculum School Model

- Realise Centres for Excellence in Higher Education, Further Education, Work Based Learning, Digital Learning and Social Inclusion

- Future proof College through development of innovative new curriculum in STEAM and priority skills areas and new pedagogy for digital learning

- Delivery of curriculum support innovations e.g. through digital technologies, enterprise and project based learning, mentoring models to enhance the quality of the student learning;

- Extend and further embed workforce planning and upskilling strategies.

- Deliver excellent teaching and learning which is student centred

2. Realise an excellent student experience through impactful student support services

ECONOMIC IMPACT THROUGH PARTNERSHIP
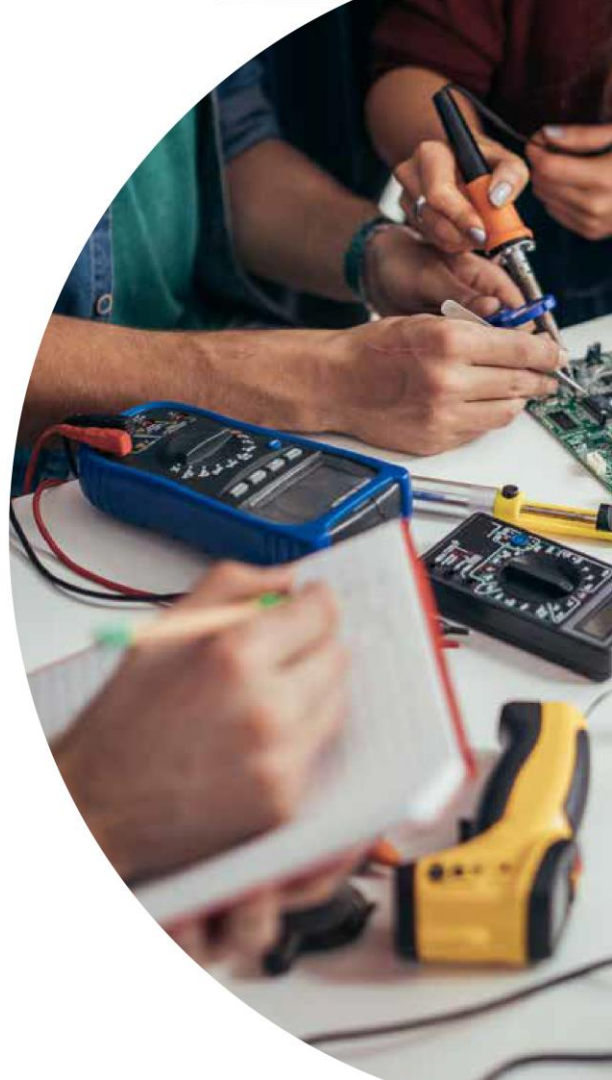
STRATEGIC OBJECTIVE 3

DEVELOPING PARTNERSHIPS TO ENSURE THAT THE COLLEGE DELIVERS ECONOMIC AND SOCIAL IMPACT

1. **Collaborate with stakeholders to promote seamless education clusters, connecting College, schools and universities, economic development partners, and industry**

- Promote and develop new collaborative model for apprenticeships and traineeships.

- Realise Engineering & Advanced Manufacturing Hub and Mid Ulster Engineering Centre.

- Growth in SME & R&D and innovation support and delivery of industry applied research up to PhD level.

- Development of collaborative partnerships to build a SMART region.

- Realise Enniskillen Workhouse project to promote entrepreneurship.

- Deliver impactful social inclusion provision through collaborative working with community and voluntary sector partners and stakeholders.

2. **Extend SWC global identity and build stable strong partnerships which will provide new and innovative opportunities**

- Extend College international profile through increased transnational education and language experiences for staff and students.

- Develop existing and new strategic partnerships through leveraging new external funding.
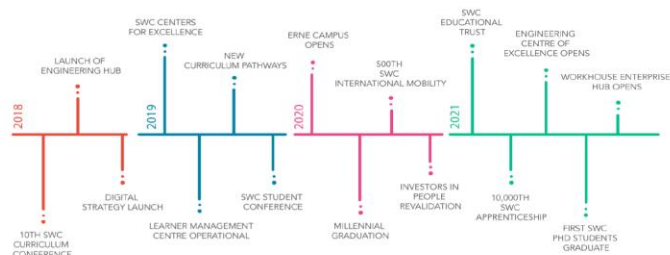
SYSTEM

STRATEGIC OBJECTIVE 4

DELIVERING EXCELLENT ORGANISATIONAL EFFECTIVENESS, SYSTEMS, INFRASTRUCTURE AND DECISION MAKING TO SUPPORT A COHESIVE AND INNOVATIVE COLLEGE

1. Ensure access to robust systems and technology to meet student and institutional needs

2. Robust financial governance maintaining strong track record of financial efficiency

3. Provide world-class educational facilities and support which will inspire learning and development

SWC INNOVATIONS

Centres of Excellence

- Leading and driving excellence in Higher Education, Further Education, Work-based Learning, Digital Learning, and Social Inclusion

Wellbeing Community Hub

- Physical space, suite, counselling rooms
- Outside agencies can locate

SWC Educational Trust

- Vehicle to drive the social bond
- Private sector and alumni investors
- Corporate Social Responsibility project (The Education Foundation for South Sudan)

Engineering Centre of Excellence

- Sustain PhD research
- Guest lectures in residence (inward and outward)

Workhouse Enterprise Hub

- Develop staff and student's entrepreneurial activity
- Staff engagement in knowledge transfer projects

Education Innovation Cluster

- Collaborative model for education and skills development in the South West region.

150
150 businesses supported with R&D projects per year

225
SWC has now delivered **225** innovation vouchers with local businesses

7
7 companies engaged with KTP projects

25
25 FUSION projects delivered

1000
1000 students engaged with Enterprise activities

4
4 SWC PhD students undertaking research for industry

Business Engagement by Category

InnovateUs
and Skills
Focus 17/18

- Motor-vehicle
- Transportation and Storage
- Professional and technical
- Other Service Activities
- Manufacturing
- ICT
- Health and Social Work
- Utility Services
- Construction
- Arts and Entertainment
- Agriculture
- Accommodation and Food

Age Distribution

- Over 50 - 7%
- 40-49 Years - 6%
- 30-39 Years - 8%
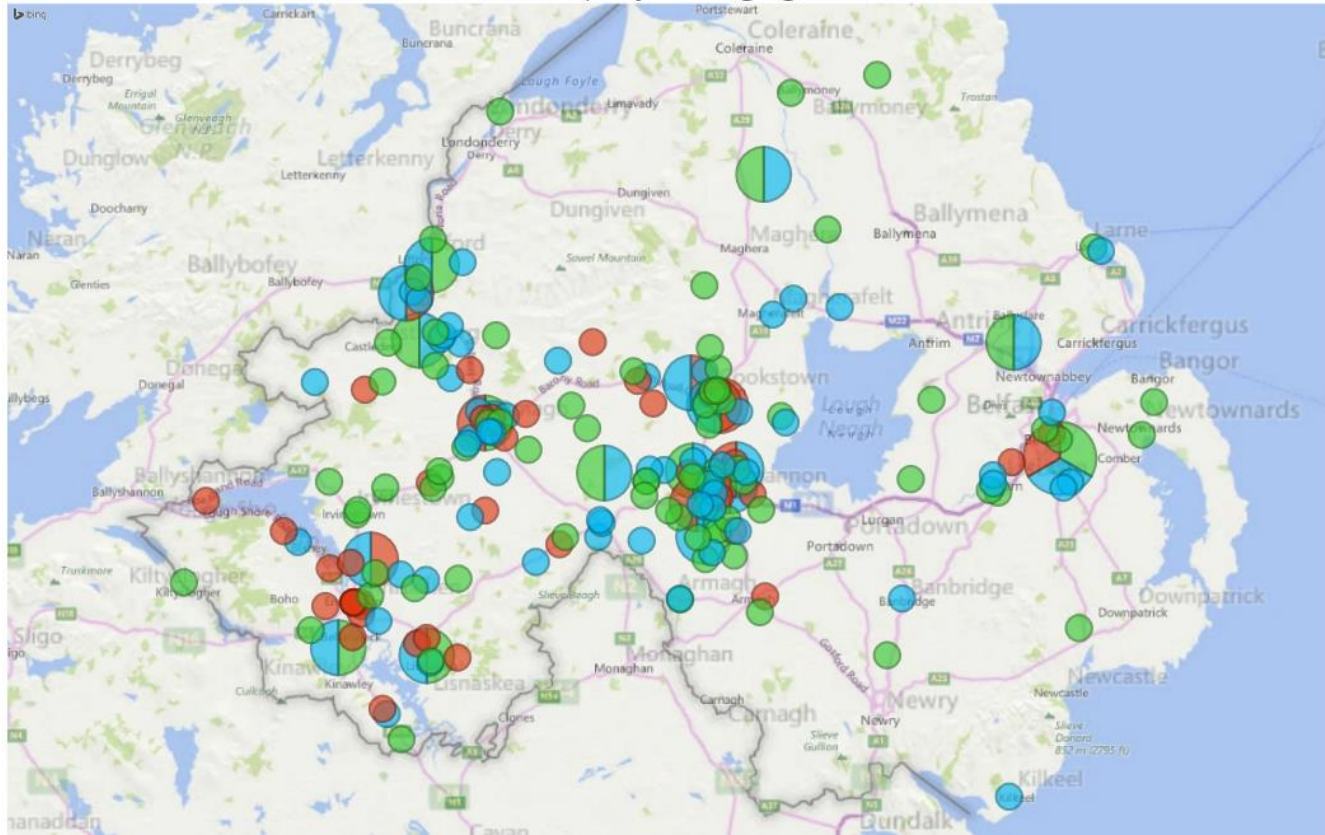- 20-29 Years - 16%
- Less than 20 - 63%

Enrolment by Campus

Campus	Enrolment
Omagh	6,528
Enniskillen Technology and Skills centre	2,090
Enniskillen Fairview	3,453
Dungannon	6,230
Cookstown	546
Community Education	2,113

ECONOMIC DEVELOPMENT IN MID ULSTER

SouthWest College

SWC DELIVERY

SKILLS FOCUS – SWC MODEL

SWC AIMS TO HAVE PROVISION COVERING FOUR KEY AREAS FOR COMPANIES;

WORKSHOP

PRODUCTION

SALES

MANAGEMENT

SKILLS FOCUS

SKILLS FOCUS – SWC MODEL

WORKSHOP

- Solid Works 3D CAD
- Welding
- Hydraulics
- Electronics
- Passive House Trades

PRODUCTION

- Business Improvement Techniques
- ILM L2 Team Leading
- Passive House Designer
- BIM
- ILM L3 Leadership & Management

SALES

- Customer Service
- ILM L2 Team Leading

MANAGEMENT

- ILM L5 Leadership & Management

Mid Ulster Engineering Innovation Programme

Supporting Local Business

- ✓ RECRUITMENT OF 18 BUSINESSES
- ✓ INNOVATION AUDITS
- ✓ INNOVATION SUPPORT
- ✓ ENGINEERING EVENT

Mid Ulster Engineering -
Facing the Future

PRE-EVENT BUSINESS TOUR 18TH JUNE

EVENT – BURNAVON 19TH JUNE.   116 ATTENDEES

CONSTRUCTION

South West College

CURRENT CONSTRUCTION PROVISION

BSc Hons
Construction Engineering
and Management
(only college in Northern Ireland)

L6

Foundation Degree in Construction Engineering

HLA

Foundation Degree in Civil & Environmental Engineering

HLA

Foundation Degree in Architectural Technology with Sustainable Design

Foundation Degree in Building Services & Renewable Energy

HLA

L5

BTEC Extended Diploma in Construction and the Built Environment

BTEC Diploma in Construction and the Built Environment (Civil Engineering)

BTEC Subsidiary Diploma in Construction and the Built Environment

Work+ Civil Engineering Apprenticeship

L3 Apprenticeship

L3

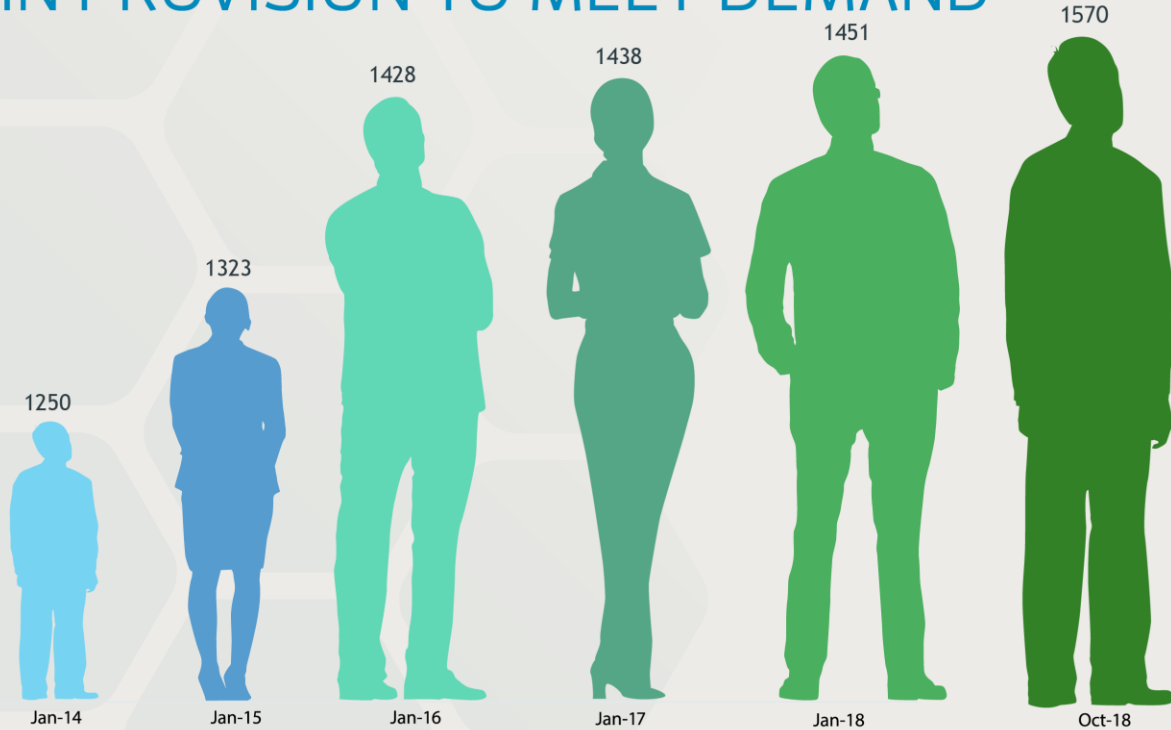BTEC First Certificate in Construction & the Built Environment

L2

TRAINING FOR SUCCESS/APPRENTICENI
GROWTH IN PROVISION TO MEET DEMAND

1250 — Jan-14
1323 — Jan-15
1428 — Jan-16
1438 — Jan-17
1451 — Jan-18
1570 — Oct-18

PARTICIPATIONS IN PLACEMENT

Strategic Focus on Promoting Apprenticeships and Participation in Work Placement for Training for Success participants

90%
PARTICIPANTS
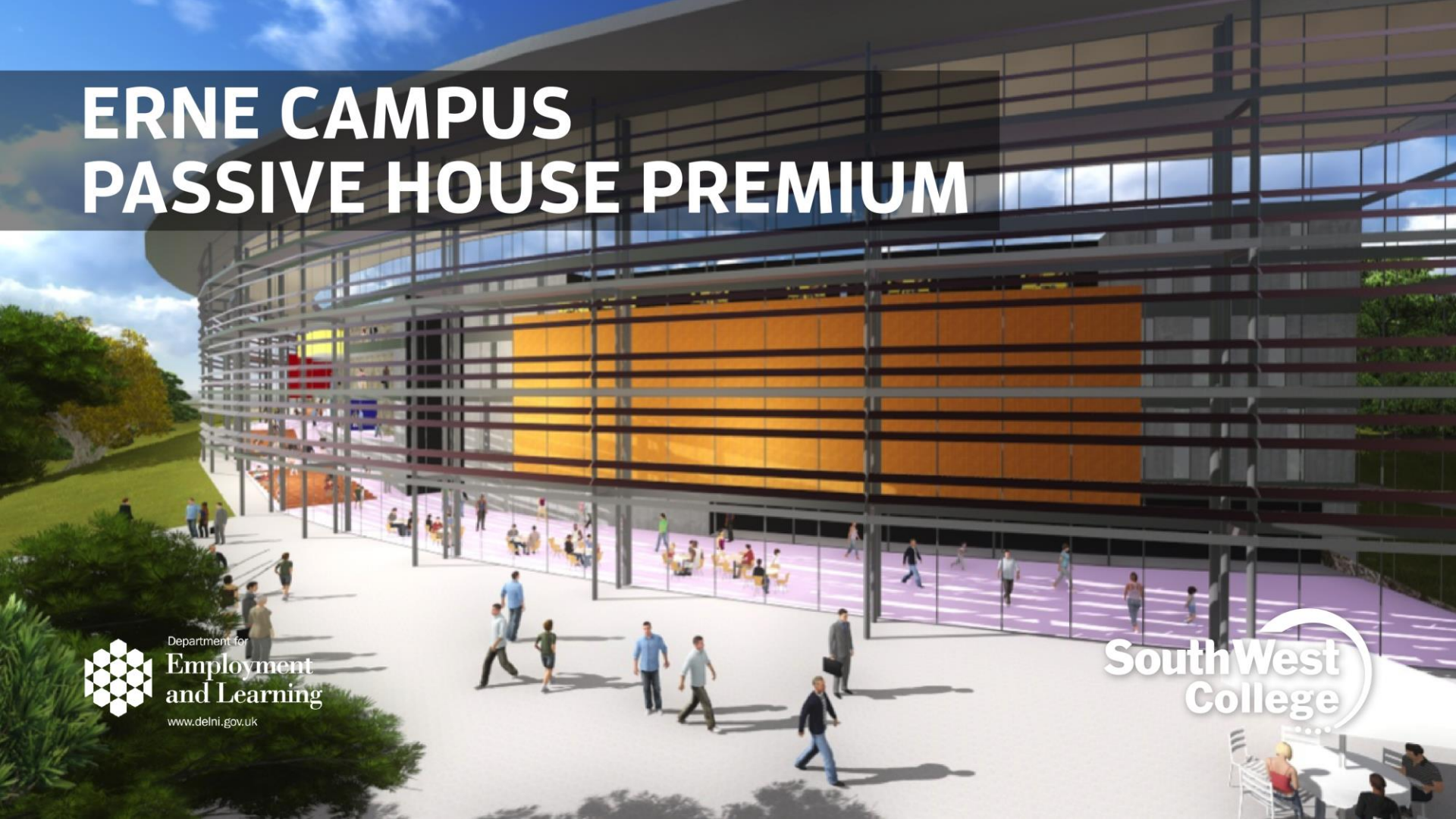EMPLOYED
OR
PLACED
WITH
EMPLOYERS

ERNE CAMPUS
PASSIVE HOUSE PREMIUM

Department for
Employment
and Learning
www.delni.gov.uk

SouthWest
College

CURRICULUM DEVELOPMENT
SPECIALIST EQUIPMENT

GPS – R10 HARDWARE & ROBOTIC TOTAL STATION

UAV DRONE – SPATIAL DATA CAPTURE

3D GEOSPATIAL SPATIAL SCANNER

PIX4D SOFTWARE – POINT CLOUD TECHNOLOGY

SPECIALIST ENGINEERING 3D PRINTING

HYDRAULIC FLUME

CONE PENETROMETER (SOILS TESTING)

CONCRETE TESTING EQUIPMENT

GAME BASED LEARNING

ASSESSMENT
Performance in games can be measured and recorded for grading

ENGAGEMENT
Hands on learning activities

NEW TECHNOLOGIES
UAV (Drone) Technology training

RESEARCH PRESENTED AT
INTERNATIONAL CONFERENCES

2017 | SOUTH PACIFIC PASSIVE HOUSE CONFERENCE, CHRISTCHURCH, NEW ZEALAND
21ST INTERNATIONAL PASSIVE HOUSE CONFERENCE, VIENNA, AUSTRIA
NORTH AMERICAN PASSIVE HOUSE NETWORK CONFERENCE, CALIFORNIA, USA

2016 | IST INTERNATIONAL SYMPOSIUM ON SMALL-SCALE INTELLIGENT MANUFACTURING SYSTEMS, NORWAY
CREATIVE CONSTRUCTION CONFERENCE, BUDAPEST, HUNGARY - GEOSPATIAL SCANNING BIM

2015 | 5TH INTERNATIONAL WORKSHOP OF ADVANCED MANUFACTURING AND AUTOMATION, SHANGHAI, CHINA

2014 | 22ND EUROPEAN BIOMASS CONFERENCE AND EXHIBITION, HAMBURG GERMANY
TA3, TRANSATLANTIC TRAINING AND TECHNOLOGY ALLIANCE, INDIANAPOLIS, USA

CANADA

CHINA