

SUSTAINABLE DEVELOPMENT GOALS



“a bold new global agenda to end poverty by 2030 and pursue a sustainable future for all”.



“contribute to the advancement of knowledge in society, to social cohesion and to the quality of life in Scotland, and in the wider national and global community” –

to be “a place of useful learning”...

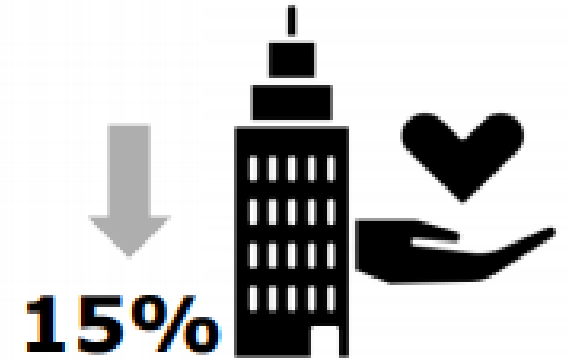
WHAT STUDENTS WANT



70% would like to see sustainable development actively incorporated and promoted through all courses



81% say sustainable development is something they would like to learn more about



61% would accept a salary 15% lower than average to work in a company with a good social and environmental record

“All of our hopes for a better world rest on young people”

- Secretary-General, António Guterres’

BE PART OF IT



YOUTH2030
WORKING WITH AND FOR YOUNG PEOPLE

#Youth2030

www.un.org/youthenvoy/

#YOUTH2030

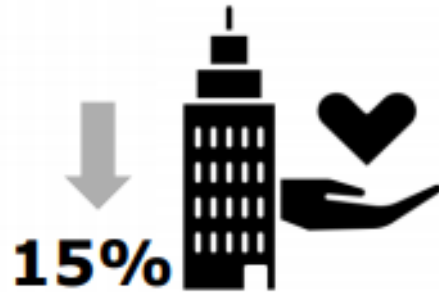
What Students Know...



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25% say they've never heard of the UN Sustainable Development Goals

“Universities can harness their unique access to large concentrations of young people to directly contribute to all the SDGs” – Monash University (SDSN Member)



Energetic

Optimistic

Idealistic

Creative

Global

Challenging

***Meaningful
Contributions***

OKAY, BUT HOW?



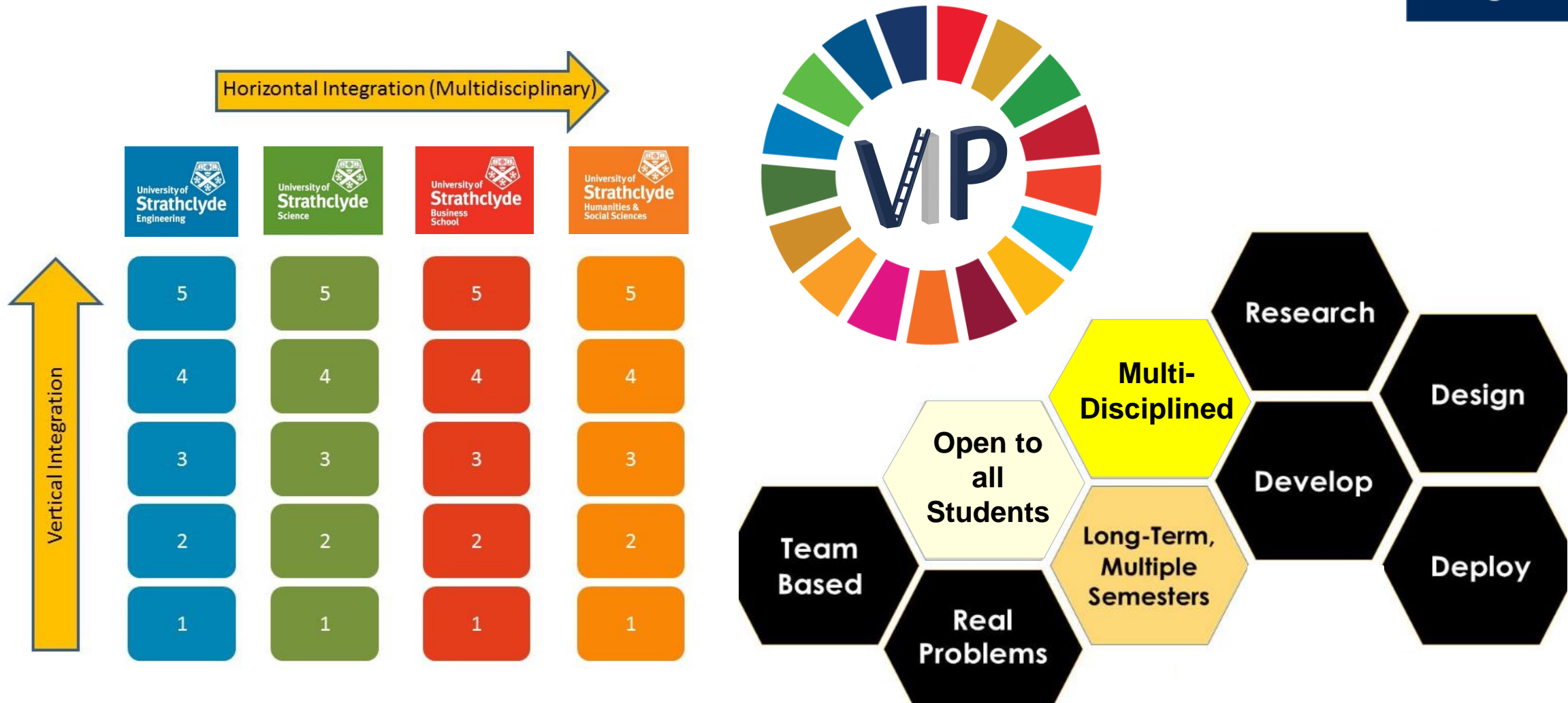


for

Sustainable Development



VIP Vertically Integrated Projects

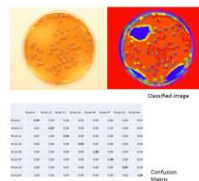




for Sustainable Development

Image Classification for Drug Discovery

- Using the information contained in the masks created previously, images can be classified.
- Classification allows us to assign the features of an image to a specific 'class'.
- 'Confusion matrices' allow us to assess how well a classifier performs.
- If an image does not fit into any 'class' then it is potentially something that has not been seen before.



Text Lab

- "An application for the close reading and scholarly analysis of deeply tagged texts."
- Also allows you to count the instances of words that appear
- Creates a cloud of the most common words in a text
- Presenting the statistical likelihood each word will appear

she moor
i we lieutenant
handkerchief our
willow it honest do her
oh think wife general signior
heaven lly devil soul alas
instruct the thou ill reformation

VIP@STRATH Water and Sanitation



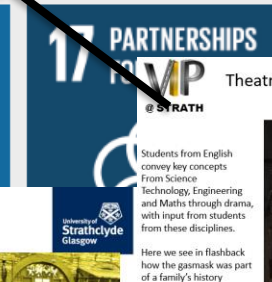
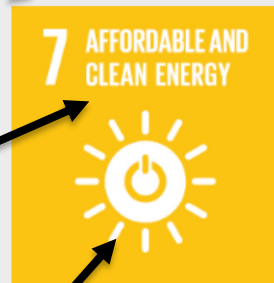
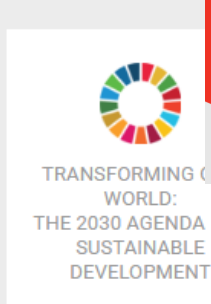
Enterprise VIP
A University-wide initiative to support future entrepreneurs and provide a learning platform for Strathclyde students.

- Tier 1 - Project Springboard
A one-stop shop for all queries
- Tier 2 - Project Inspire
Planning Events to Inspire Activity
- Tier 3 - Project Engage
Business Analysis for Start-Ups
- Tier 4 - Project 'A-Team'
Providing Expert Advice

Volunteers have the opportunity to engage with successful entrepreneurs and help put their business knowledge into practice.

Building and supporting Entrepreneurs in the Strathclyde Community
www.strath.ac.uk/vipprojects

Sustainable



ROVER VIP: Wind Turbine Inspection Robots



VIP @ STRATH

Architecture students regenerate disused land in an under privileged area of Glasgow for recycling projects and Community Engagement.

It also provides a platform for other VIPs to meet the public



Mobilelands



Students from English convey key concepts From Science Technology, Engineering and Maths through drama, with input from students from these disciplines.

Here we see in flashback how the gamask was part of a family's history



Theatre and performance VIP



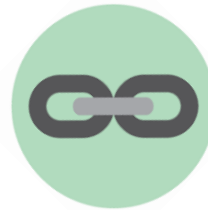
VIP STEM Public Eng



Energy for Development (E4D)



E4D



SUSTAINABLE DEVELOPMENT GOAL 7

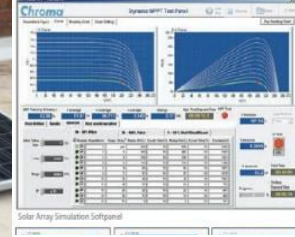
Ensure access to affordable, reliable, sustainable and modern energy for all



**1.1 billion of world's population
without access to electricity**

**4 million people per year die as a result of
unclean cooking and lighting provision**





E4D



VIP





The Gambia Project

Vertically Integrated Projects

While the Gambia Project has been responsible for 8 solar PV projects over the last decade, in 2012 the project started connecting students to work on real world problems through the Vertically Integrated Projects programme, or VIP.

VIP has linked several different academic disciplines together as a team: Electrical Engineering, Computer Science,

Design Manufacturing Engineering, and Business and Economics.

The VIP programme provides an opportunity for students to work over two academic years on a single project. By the second year they are mentoring the younger students and innovating technological solutions for places like the Gambia.



Bold, Ambitious, Innovative and Collaborative

HEADMASTER'S OFFICE

Notice / Noticeboard

ENTRY

EME

DMEM

PhD

SBS

CES

SBS

PhD





E4D VIP



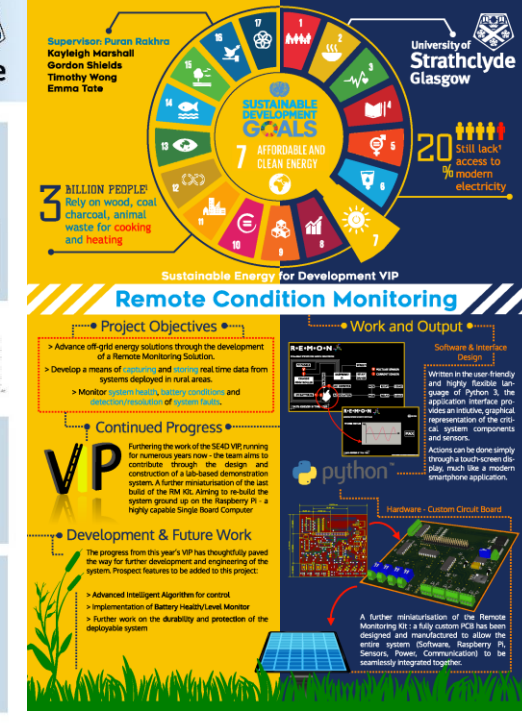
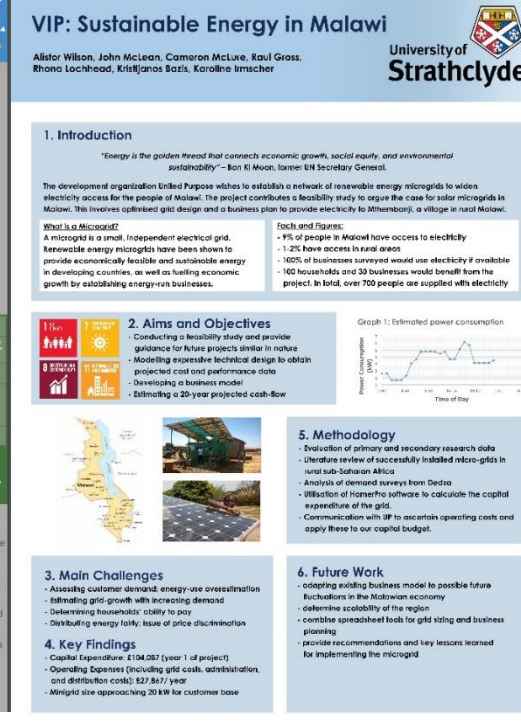
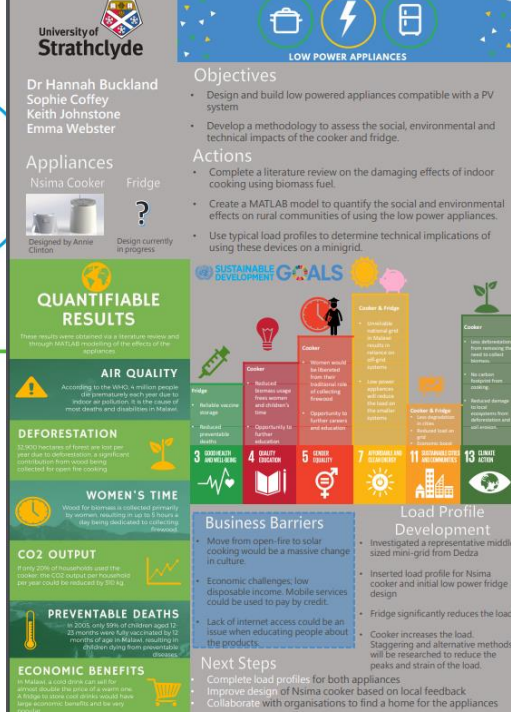
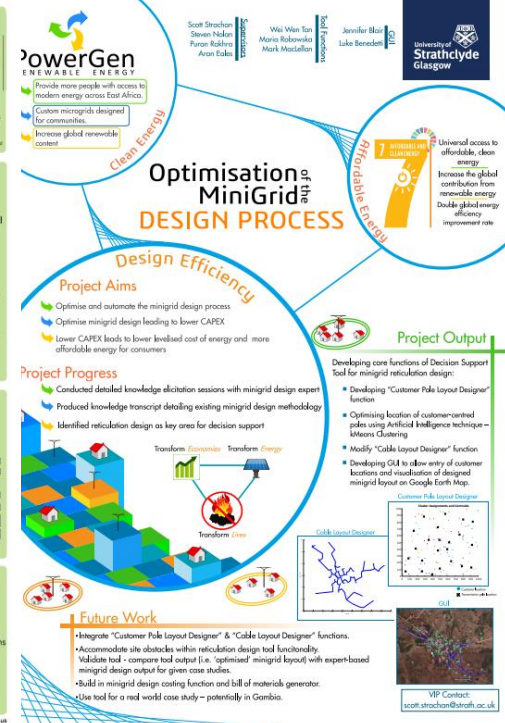
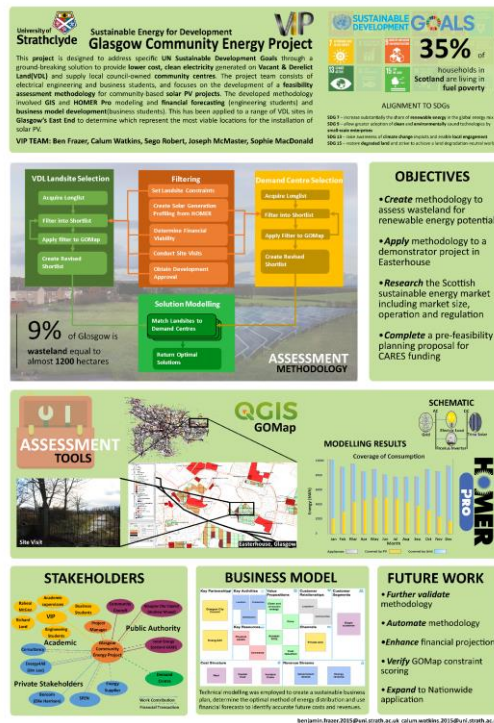
#1 Glasgow Community Energy

#2 Minigrid Design Automation/Optimisation

#3 Low Energy Appliances (eCooking)

#4 Malawi Energy Hubs Design

#5 RM of Off-grid Systems



An Example - Energy for Development VIP



E4D



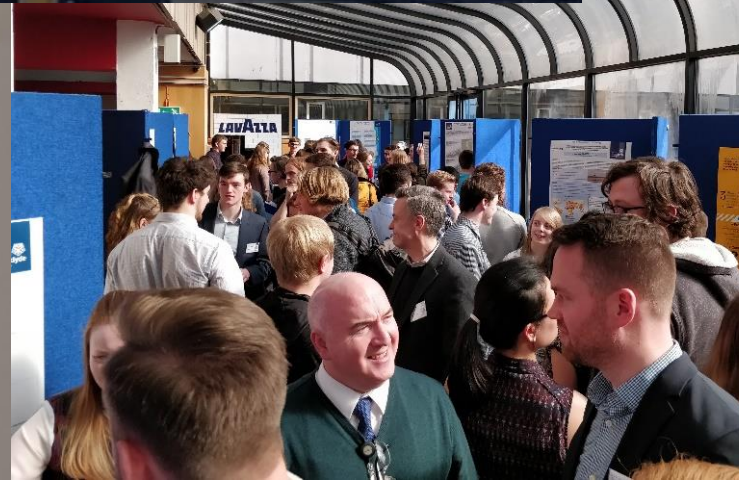
VIP



Student Experience
Research
Impact



VIP for Sustainable Development Conference 2018



Our Vision



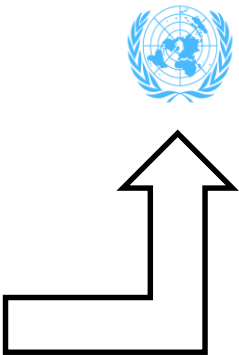
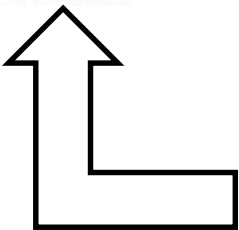
Institutionalise

Strathclyde
VIP
for
Sustainable Development



Our Vision

Institutionalise & Internationalise



17 PARTNERSHIPS FOR THE GOALS



for

Sustainable Development



**SUSTAINABLE
DEVELOPMENT**

GOALS

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