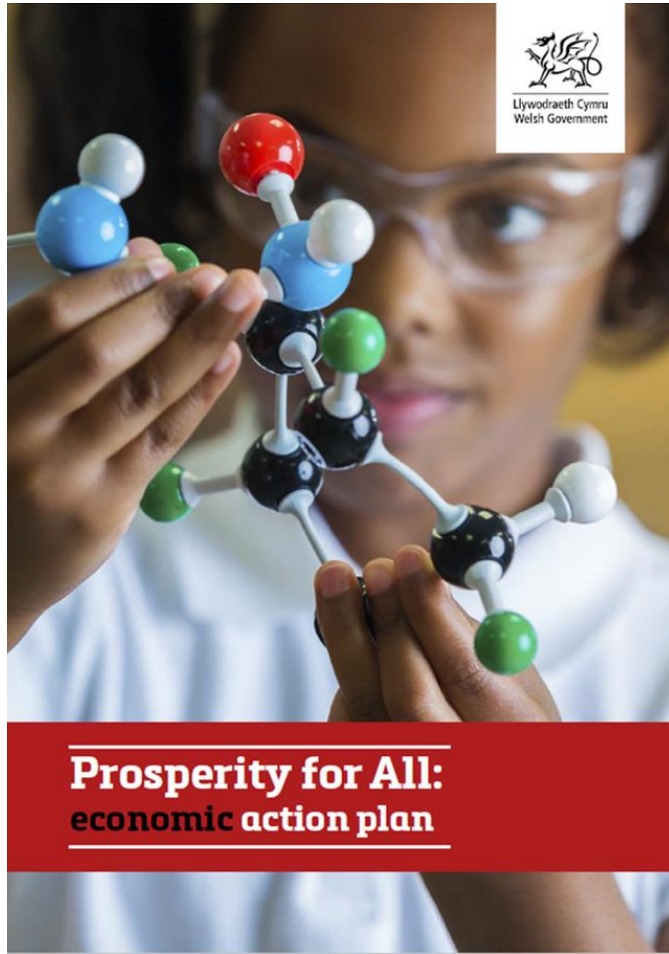

SME Manufacturing Support

Continuous Improvement 11th December 2018

Mike Gillard



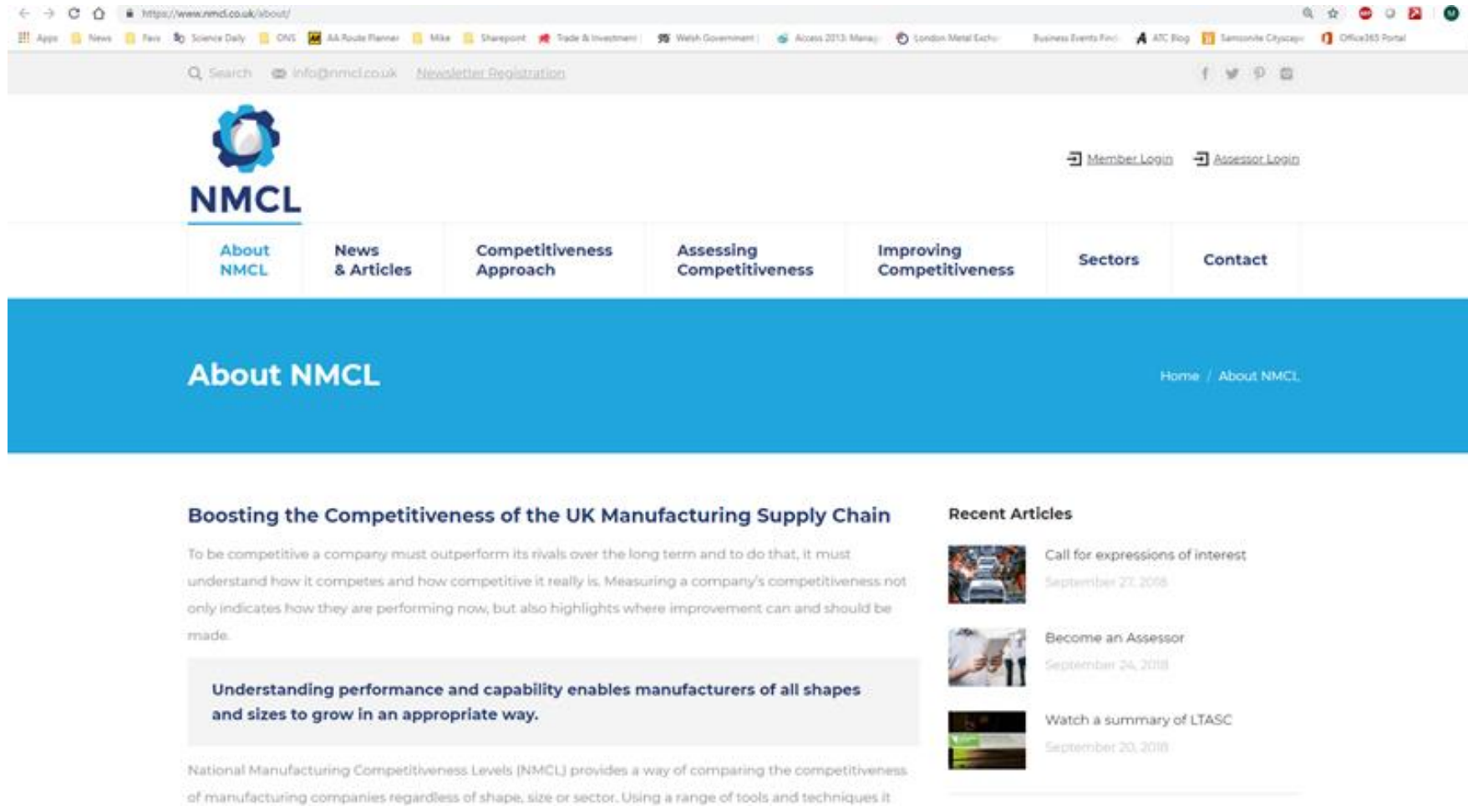
Economic Action Plan & The Industrial Strategy



We believe there are clear overlaps between the Industrial Strategy's Grand Challenges and our Calls to Action, between the Industrial Strategy's five foundations and the objectives in our Plan and a shared understanding that lagging productivity is a core structural weakness of our economy. These common threads provide business with confidence and certainty on our commitment to work with the UK Government and others to support existing businesses in adapting to change and in promoting the industries and businesses of the future.



NMCL



The screenshot shows the NMCL website with a browser address bar at <https://www.nmcl.co.uk/about/>. The page features a navigation menu with links: About NMCL, News & Articles, Competitiveness Approach, Assessing Competitiveness, Improving Competitiveness, Sectors, and Contact. A large blue banner at the top of the main content area reads "About NMCL" with a breadcrumb trail "Home / About NMCL".




Boosting the Competitiveness of the UK Manufacturing Supply Chain

To be competitive a company must outperform its rivals over the long term and to do that, it must understand how it competes and how competitive it really is. Measuring a company's competitiveness not only indicates how they are performing now, but also highlights where improvement can and should be made.

Understanding performance and capability enables manufacturers of all shapes and sizes to grow in an appropriate way.

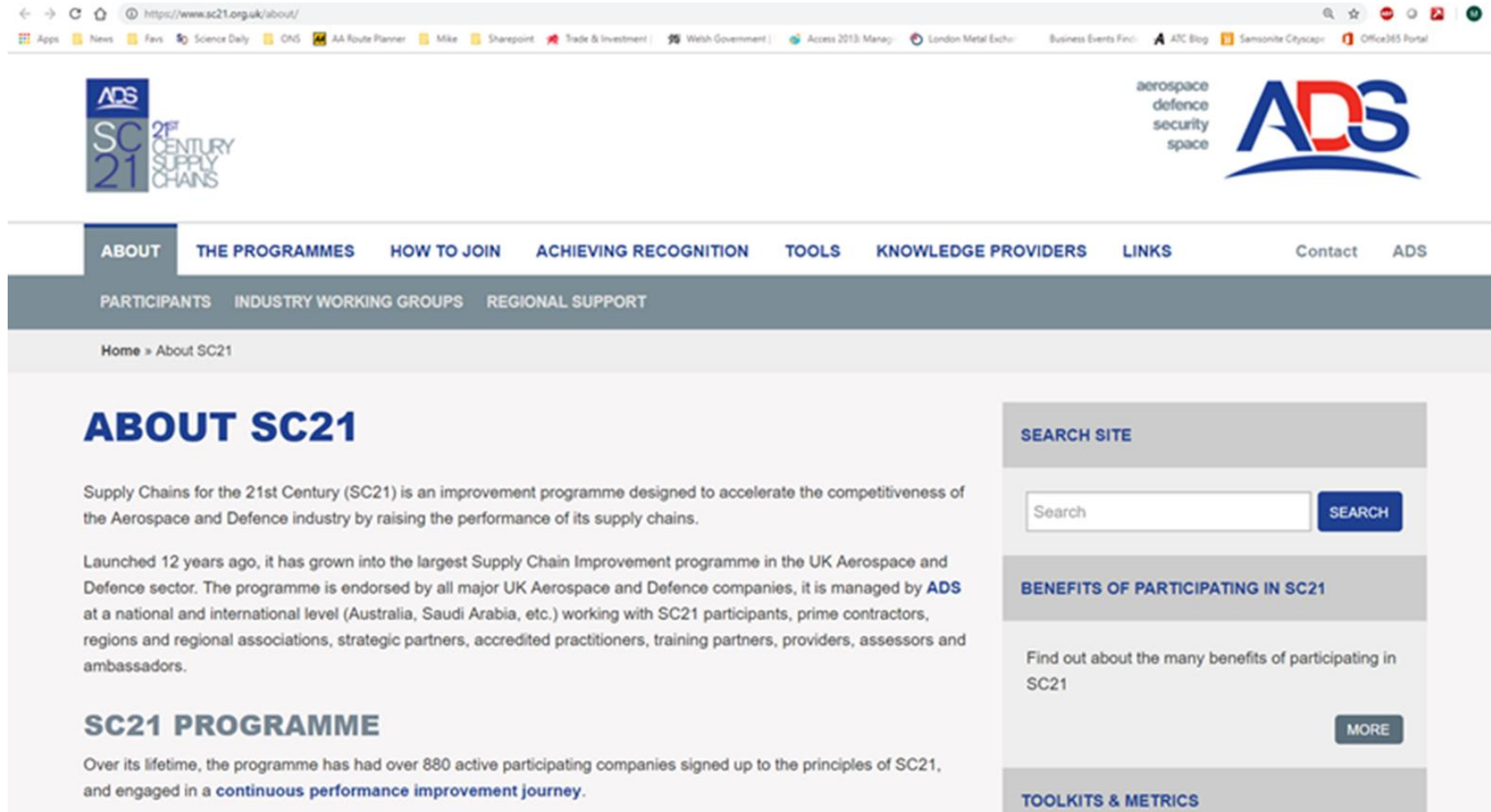
National Manufacturing Competitiveness Levels (NMCL) provides a way of comparing the competitiveness of manufacturing companies regardless of shape, size or sector. Using a range of tools and techniques it

Recent Articles

-  Call for expressions of interest
September 27, 2018
-  Become an Assessor
September 24, 2018
-  Watch a summary of LTASC
September 20, 2018



SC21



The screenshot shows the SC21 website interface. At the top, there's a browser address bar with the URL <https://www.sc21.org.uk/about/>. Below the browser bar, there's a navigation menu with links: ABOUT, THE PROGRAMMES, HOW TO JOIN, ACHIEVING RECOGNITION, TOOLS, KNOWLEDGE PROVIDERS, LINKS, Contact, and ADS. A secondary navigation bar includes PARTICIPANTS, INDUSTRY WORKING GROUPS, and REGIONAL SUPPORT. The main content area is titled "ABOUT SC21" and contains a paragraph describing the programme's purpose: "Supply Chains for the 21st Century (SC21) is an improvement programme designed to accelerate the competitiveness of the Aerospace and Defence industry by raising the performance of its supply chains." It also mentions the programme's history and its endorsement by major UK Aerospace and Defence companies. A "SC21 PROGRAMME" section follows, stating that over 880 active participating companies are signed up to the principles of SC21 and engaged in a continuous performance improvement journey. On the right side, there's a "SEARCH SITE" section with a search input field and a "SEARCH" button. Below that, a "BENEFITS OF PARTICIPATING IN SC21" section includes the text "Find out about the many benefits of participating in SC21" and a "MORE" button. At the bottom right, there's a "TOOLKITS & METRICS" section.

ADS
SC21
21ST
CENTURY
SUPPLY
CHAINS

aerospace
defence
security
space
ADS

ABOUT THE PROGRAMMES HOW TO JOIN ACHIEVING RECOGNITION TOOLS KNOWLEDGE PROVIDERS LINKS Contact ADS

PARTICIPANTS INDUSTRY WORKING GROUPS REGIONAL SUPPORT

Home » About SC21

ABOUT SC21

Supply Chains for the 21st Century (SC21) is an improvement programme designed to accelerate the competitiveness of the Aerospace and Defence industry by raising the performance of its supply chains.

Launched 12 years ago, it has grown into the largest Supply Chain Improvement programme in the UK Aerospace and Defence sector. The programme is endorsed by all major UK Aerospace and Defence companies, it is managed by **ADS** at a national and international level (Australia, Saudi Arabia, etc.) working with SC21 participants, prime contractors, regions and regional associations, strategic partners, accredited practitioners, training partners, providers, assessors and ambassadors.

SC21 PROGRAMME

Over its lifetime, the programme has had over 880 active participating companies signed up to the principles of SC21, and engaged in a **continuous performance improvement journey**.

SEARCH SITE

Search **SEARCH**

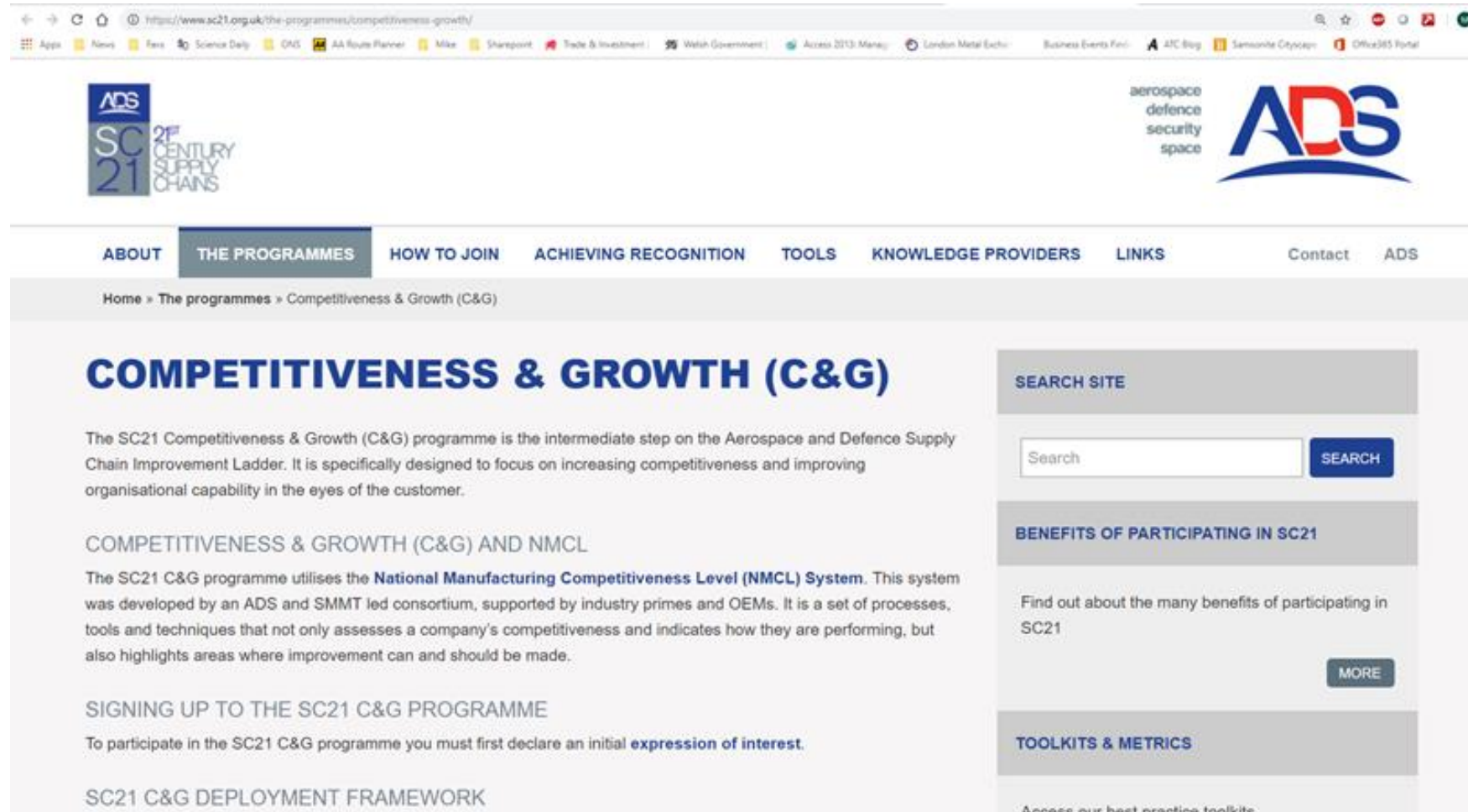
BENEFITS OF PARTICIPATING IN SC21

Find out about the many benefits of participating in SC21 **MORE**

TOOLKITS & METRICS



SC21 C&G



ADS
SC21
21ST CENTURY
SUPPLY CHAINS

aerospace
defence
security
space
ADS

ABOUT THE PROGRAMMES HOW TO JOIN ACHIEVING RECOGNITION TOOLS KNOWLEDGE PROVIDERS LINKS Contact ADS

Home » The programmes » Competitiveness & Growth (C&G)

COMPETITIVENESS & GROWTH (C&G)

The SC21 Competitiveness & Growth (C&G) programme is the intermediate step on the Aerospace and Defence Supply Chain Improvement Ladder. It is specifically designed to focus on increasing competitiveness and improving organisational capability in the eyes of the customer.

COMPETITIVENESS & GROWTH (C&G) AND NMCL

The SC21 C&G programme utilises the **National Manufacturing Competitiveness Level (NMCL) System**. This system was developed by an ADS and SMMT led consortium, supported by industry primes and OEMs. It is a set of processes, tools and techniques that not only assesses a company's competitiveness and indicates how they are performing, but also highlights areas where improvement can and should be made.

SIGNING UP TO THE SC21 C&G PROGRAMME

To participate in the SC21 C&G programme you must first declare an initial **expression of interest**.

SC21 C&G DEPLOYMENT FRAMEWORK

SEARCH SITE

Search **SEARCH**

BENEFITS OF PARTICIPATING IN SC21

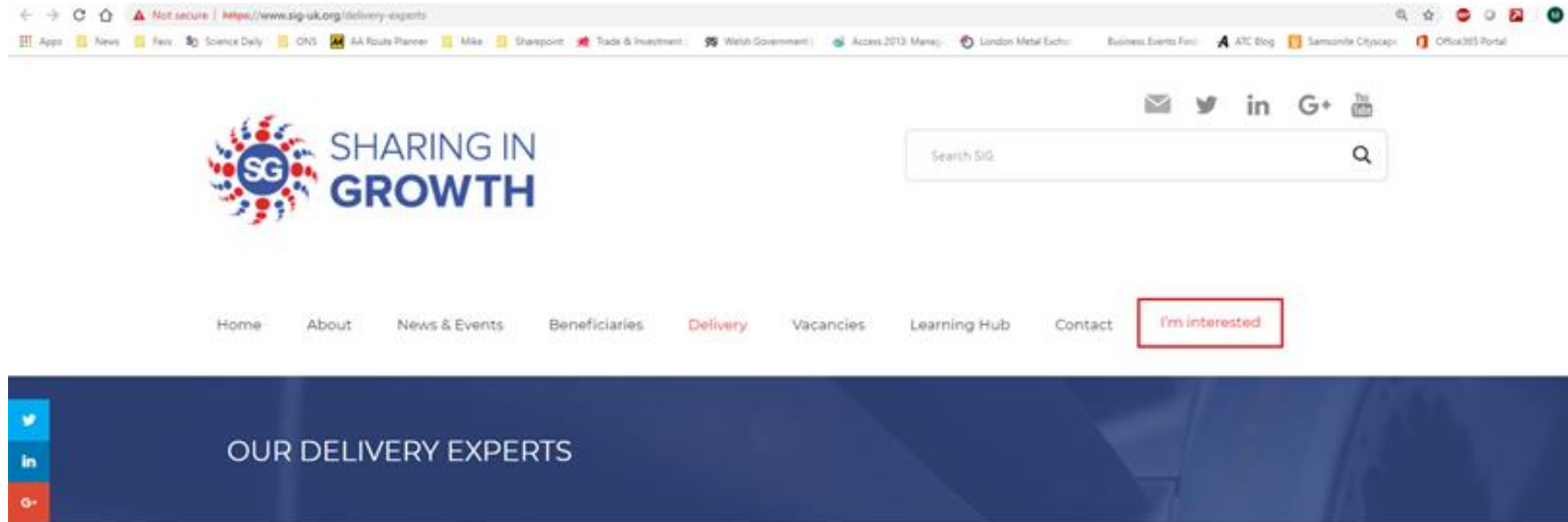
Find out about the many benefits of participating in SC21

MORE

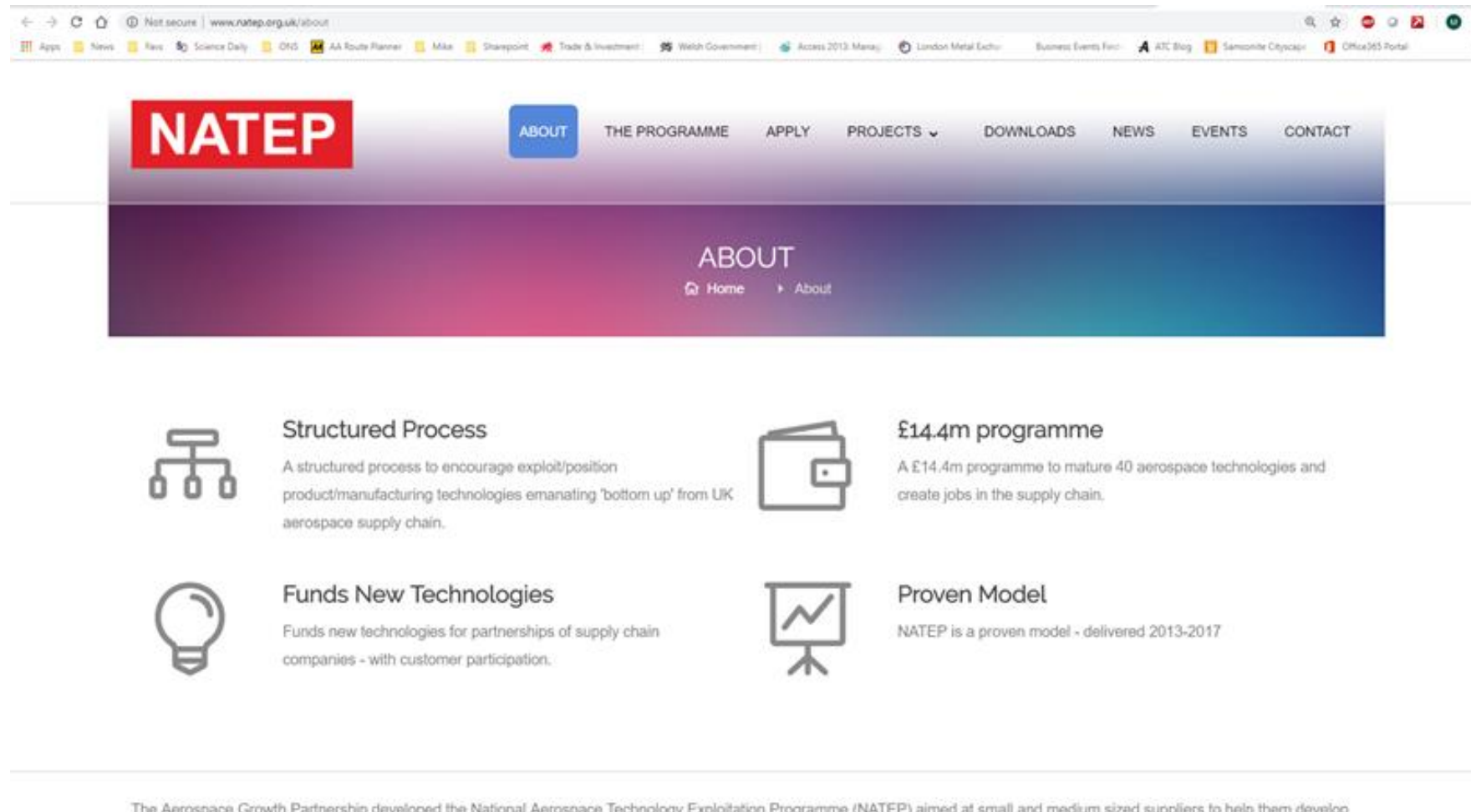
TOOLKITS & METRICS

Access our best practice toolkits





NATEP

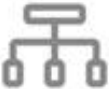


NATEP

ABOUT THE PROGRAMME APPLY PROJECTS DOWNLOADS NEWS EVENTS CONTACT


ABOUT

Home > About




Structured Process

A structured process to encourage exploit/position product/manufacturing technologies emanating 'bottom up' from UK aerospace supply chain.




£14.4m programme

A £14.4m programme to mature 40 aerospace technologies and create jobs in the supply chain.



Funds New Technologies

Funds new technologies for partnerships of supply chain companies - with customer participation.



Proven Model

NATEP is a proven model - delivered 2013-2017


The Aerospace Growth Partnership developed the National Aerospace Technology Exploitation Programme (NATEP) aimed at small and medium sized suppliers to help them develop




ASTUTE 2020

← → ↻ ⌂ https://www.astute.wales.com/en/key-expertise-themes

Apps News Fave Science Daily OAG AA Route Planner Mike Sharepoint Trade & Investment Welsh Government Access 2013: Manag London Metal Exch Business Events Fair ATC Blog Samsonite Cryocap Office365 Portal






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Expertise

ASTUTE 2020 *Expertise Themes* are underpinning areas of recognised expertise highly relevant to advanced high-value manufacturing:

- Advanced Materials Technology
- Computational Engineering Modelling
- Manufacturing Systems Engineering



Advanced Materials Technology Computational Engineering Modelling Manufacturing Systems Engineering

Get in Touch

Fill out the quick form and we'll be in touch as soon as possible


First Name

Surname


Email address

Submit

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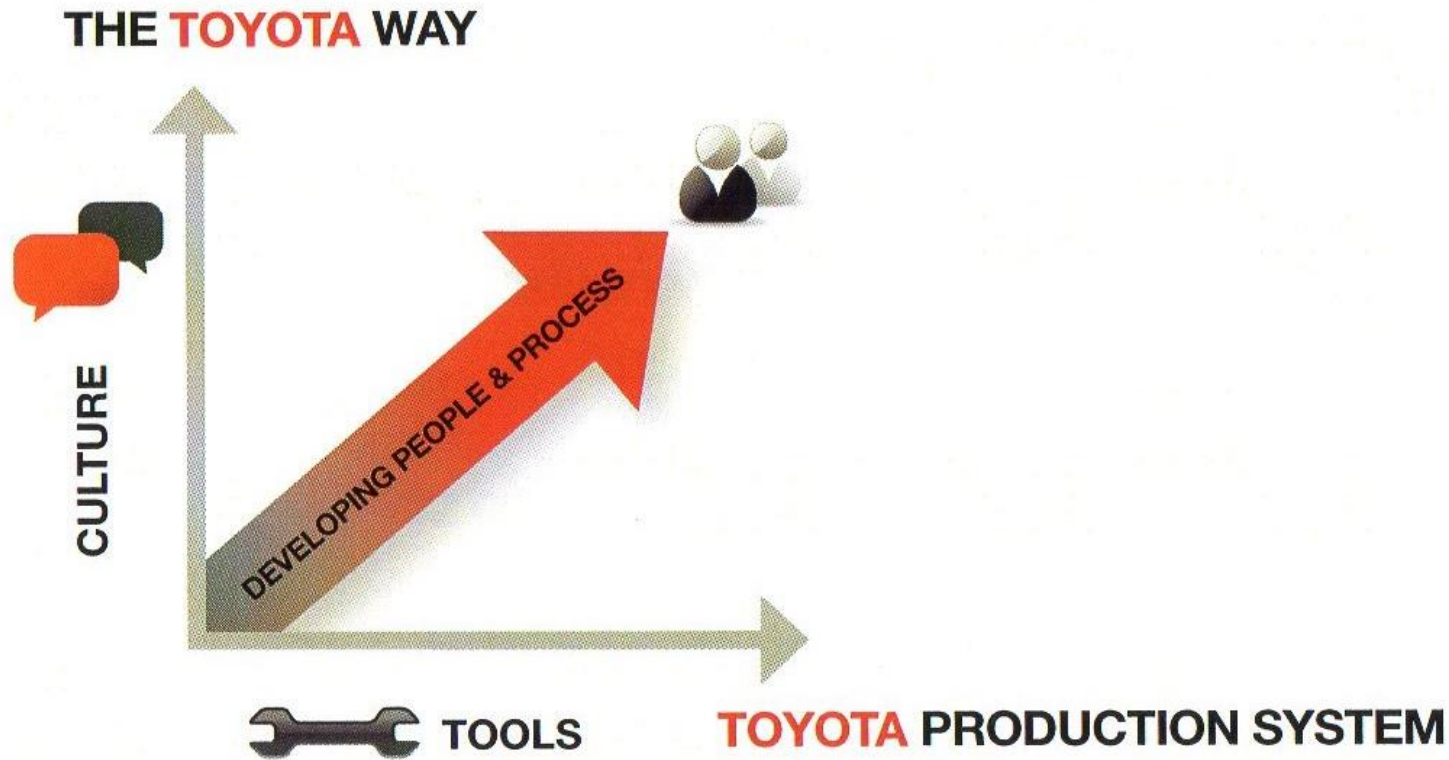
DIWYDIANT CYMRU
Hybu Busnesau Technoleg a
Gweithgynhyrchu drwy'r Byd
INDUSTRY WALES
Growing Welsh Technology &
Manufacturing Businesses Globally



Ariennir gan
Lywodraeth Cymru
Funded by
Welsh Government

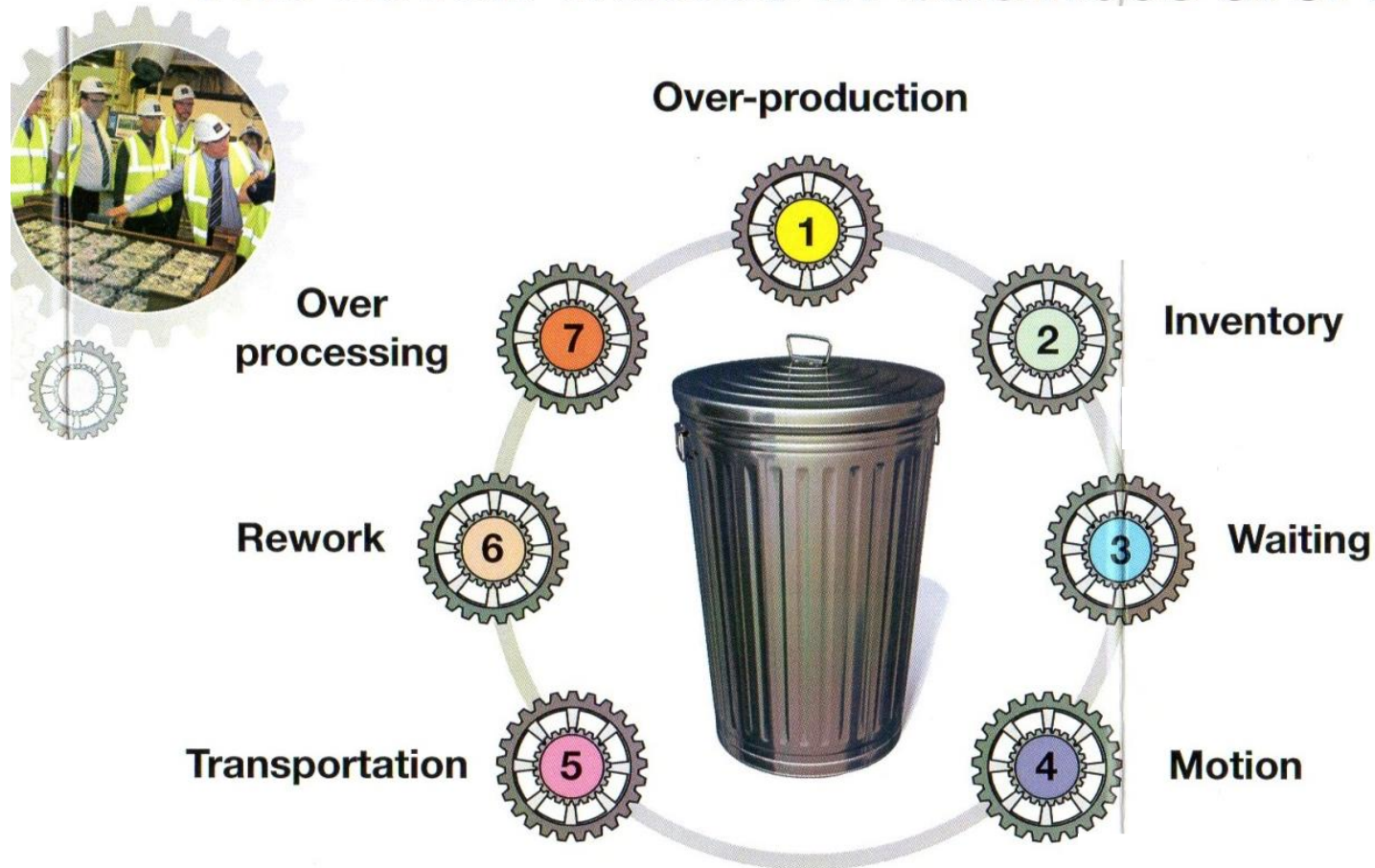
Toyota Lean Manufacturing

Developing people and processes



Toyota Lean Manufacturing

The seven wastes in business are. . .



Continuous Improvement – WHY?

- To remove waste



- To increase productivity



- To add value to our customers



What Have Standards Ever Done For Us?



89%

of companies say that standards contribute to the optimization of compliance with regulations such as health and safety legislation



73%

of companies say that standards allow greater control of environmental problems

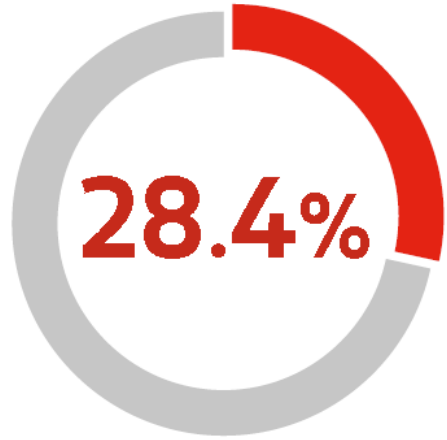


84%

of companies say that using standards enhances their reputation



What Have Standards Ever Done For Us



of annual UK GDP growth can be attributed to standards, equivalent to **£8.2 billion**



37.4% of UK productivity growth can be attributed to standards



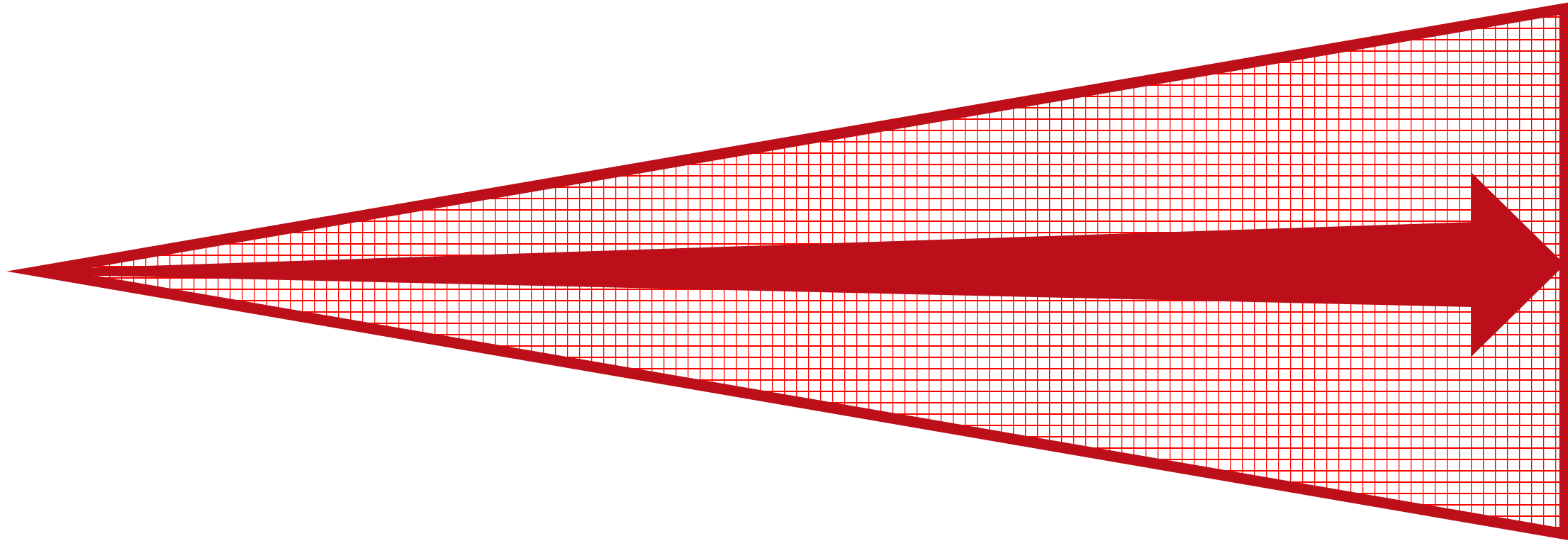
of additional UK exports per year can be attributed to standards



SMEs are **41%** more likely to export if they use standards and larger companies are **36%** more likely to export



Where do we start?



Reducing Waste
5S
Lean principles
Kaizen activities

SMART
Innovation
ISO Standards

Toyota Lean
Management
Programme

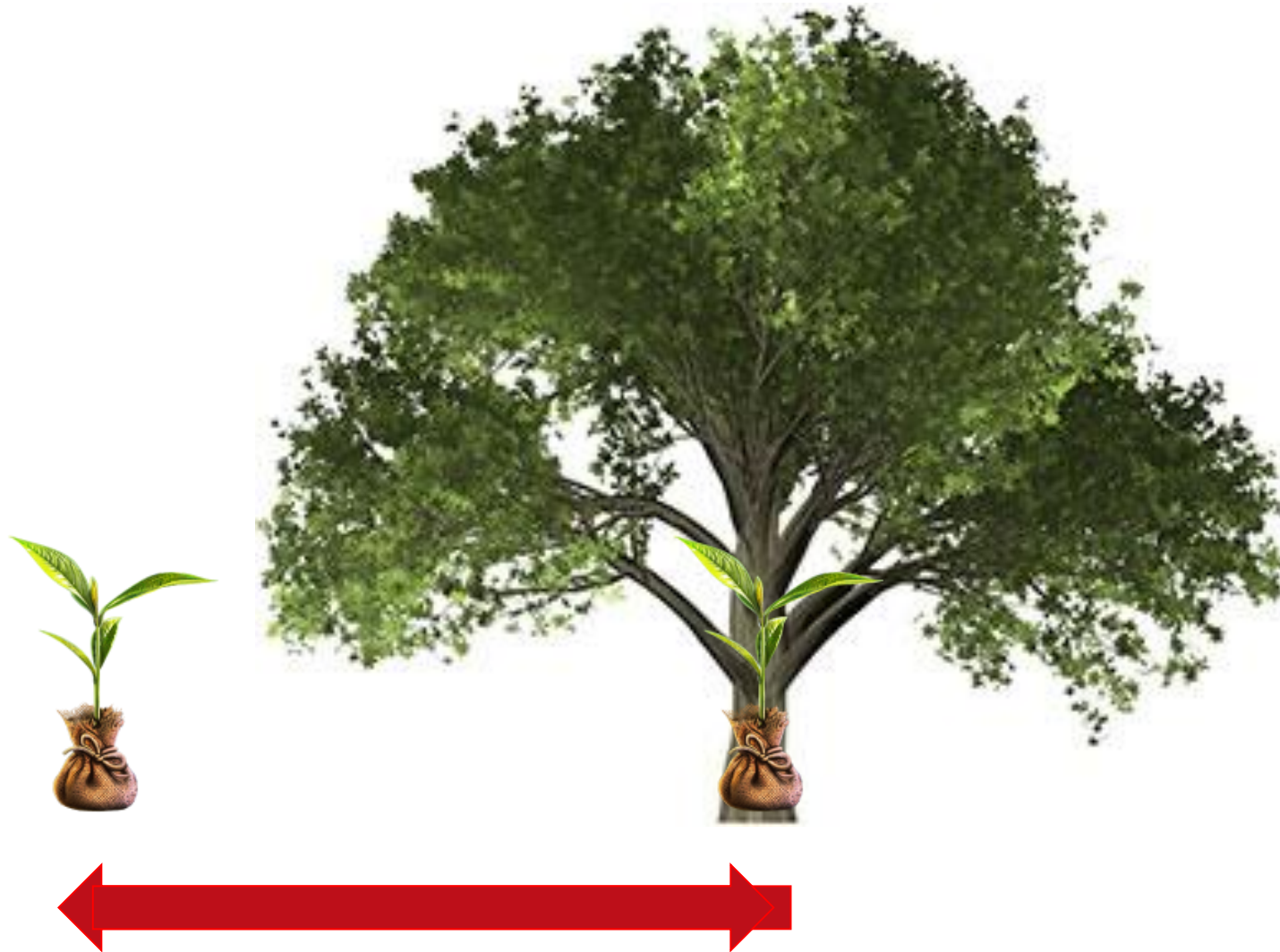
F4N
SC21

NMCL
SC21 C&G

Sharing In
Growth
(SIG)



Where do we start?



Other Forms of Support

- Welsh Automotive Forum
- Aerospace Wales Forum
- Electronics Software & Technology Network

