A Time of Change

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Darren Race,
UK Research & Sector Manager

About Semta…

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- Sector Skills Council for Science (SSC) for Engineering & Manufacturing Technologies
- Semta cover 132,000 companies, employing over 2 million people
- Field based regional teams of sector experts
- Regional and Sector Employer Groups to drive the skills strategy
- Semta is one of 20 Sector Skills Councils representing Employers across the UK working with the UK Commission for Employment & Skills

SkillsActive Shaping Skills for the Future
IMI THE INSTITUTE OF THE MOTOR INDUSTRY
Skills for Care & Development
asset skills
FSP Financial Skil Partnership
creative & cultural skills
Improve FOOD & DRINK SKILLS COUNCIL
Skills for Logistics
SKILLS for JUSTICE Developing skills for safer communities
cogent Skills for Science Based Industries
energy&utilityskills
Skills for Health
e-skills uk
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people 1st
Summit SKILLS
creative skillset
LANTRA Raising skills, backing business
skillsmart retail
construction skills

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www.semta.org.uk

Who we work with…

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TOYOTA
TOYOTA MOTOR MANUFACTURING (UK) LTD

Welsh Automotive Forum
Fforwm Modurol Cymru

Perkins
THE HEART OF EVERY GREAT MACHINE

VAUXHALL

Ford

JAGUAR

LAND ROVER

MIRA

SMITH

BMW

SMMT
DRIVING THE MOTOR INDUSTRY

Northwest automotive Alliance

MIA
MOTORSPORT INDUSTRY ASSOCIATION

MICHELIN
A better way forward

Autotech
Controlling Automation

LEYLAND TRUCKS
A PACCAR COMPANY

Allied Vehicles™
Driving for Perfection

TOYODA GOSEI

BIS Department for Business Innovation & Skills

GESTAMP
GESTAMP GMF
TALLENT AUTOMOTIVE

GM

HONDA
The Power of Dreams

BENTLEY

NISSAN

unite
theUNION

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Automotive Council Data

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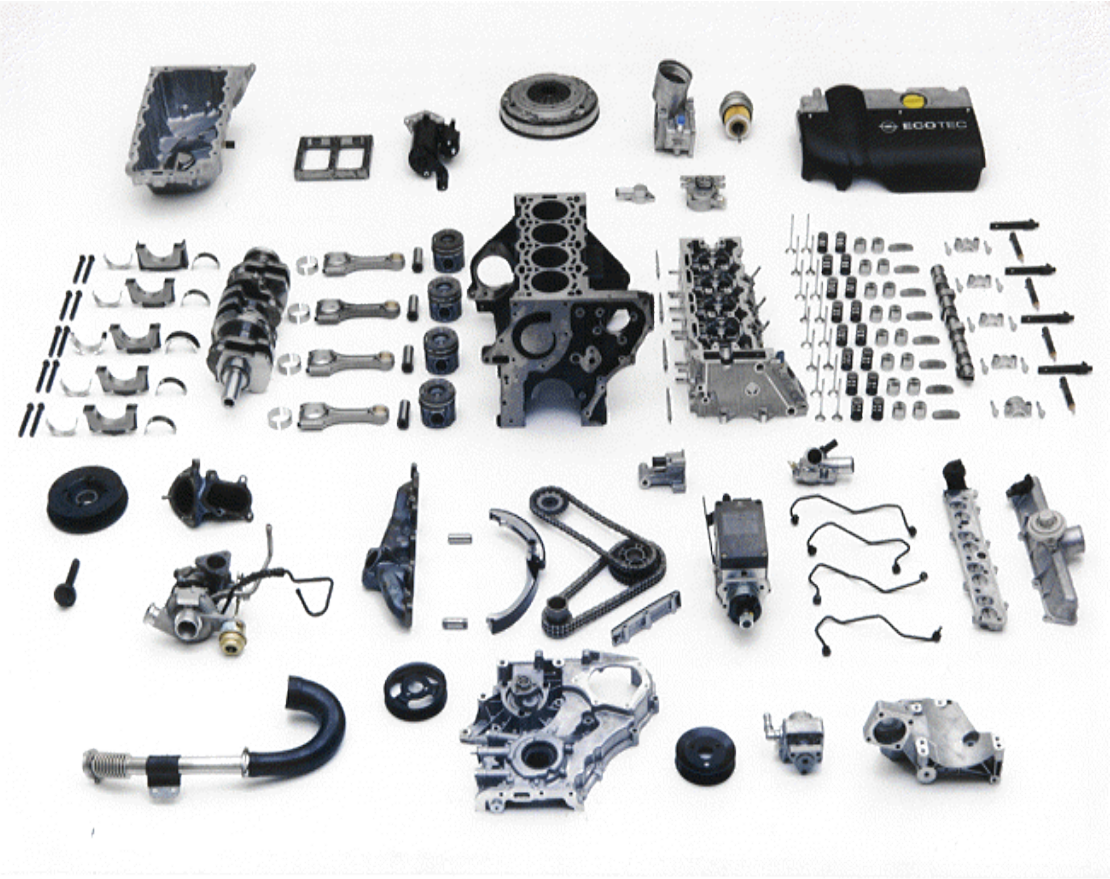
- Only **36%** of parts are currently sourced in the UK
- Opportunity to increase this to **80%**
- At a headline level, the value opportunity is estimated to be at least **£3 billion** worth of parts sales per annum, at current vehicle output rates



Did you know…

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- We need **96,300** Engineers, Scientists & Technologists just to replace retirements to 2016 (Source: Semta IER)
- We need to up skill **550,000** of the current technical wokforce to achieve "World Class Standards"
- Only **9%** of engineering establishments take on a graduate (Source: NESS)
- Only **11%** of engineering establishments take on an Apprentice!

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Automotive needs…

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- **9,000** engineers, scientists & technologists will need to be recruited between 2012 to 2016 due to retirements
- **44,000** engineers, scientists & technologists (42% of the current workforce) are qualified below world-class levels
- Overall, **2%** of automotive sites recruited graduates (1% of SMEs, 33% of large sites)
- Overall, **13%** of automotive sites employ apprentices (12% of SMEs, 43% of large sites)

Live Projects

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Three Employer Investment (EIF) Projects:

1. Improve the capacity & capability of 2,200 Supply Chain companies through Skills
2. Support 2,800 companies to recruit their first Apprentice
3. Support 500 SMEs to take on their first Graduate

Growth and Innovation Fund (GIF):

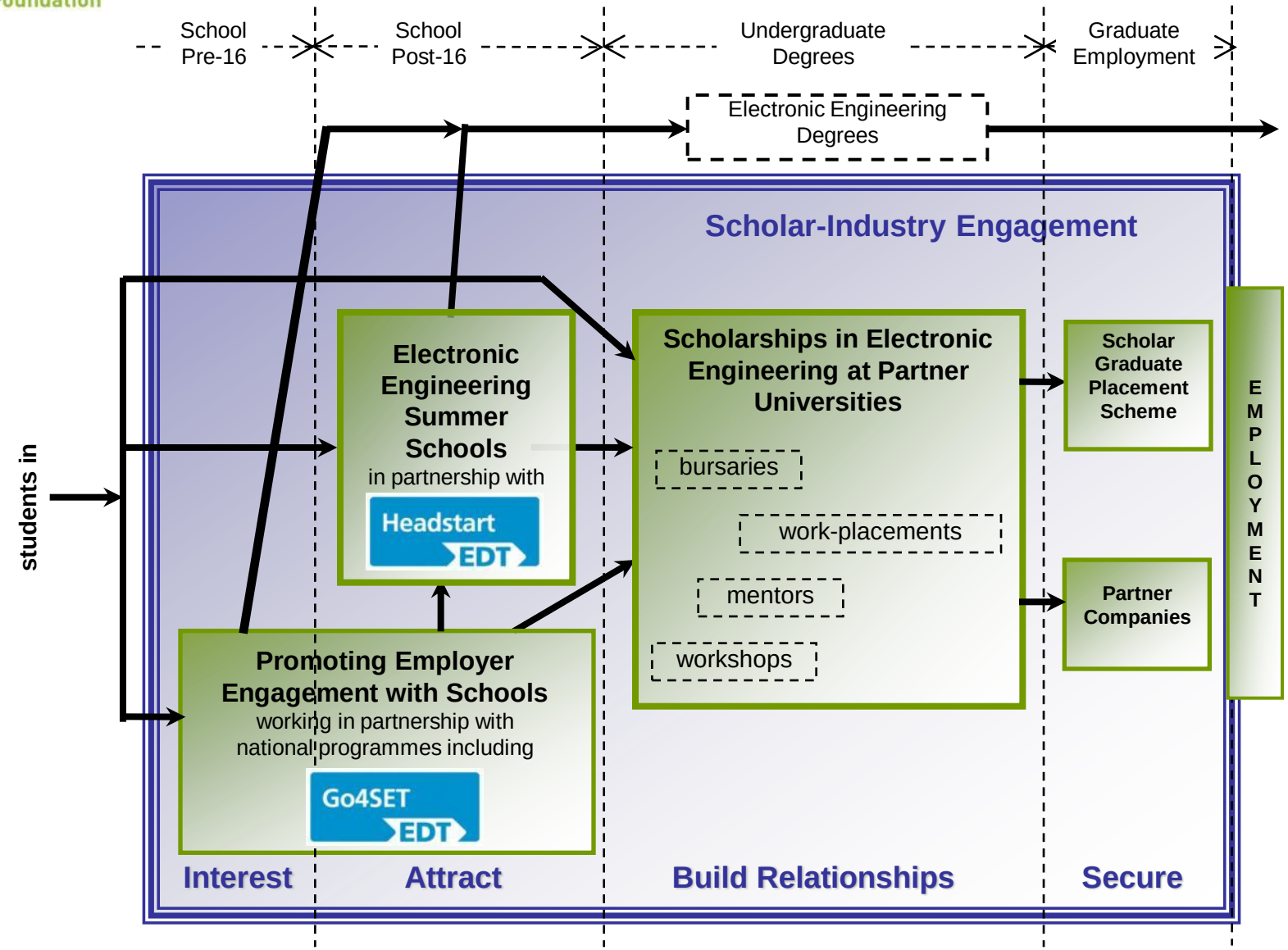
Advanced Skills Accreditation Scheme (ASAS) to provide modules at Masters level for workforce development and graduate up-skilling

Wider Projects and Support:

Supported a number of companies to access…

- Regional Growth Fund, £1b
- AMSCI £125m
- Employer Ownership £165m in round 2

UKESF Model


School Pre-16
School Post-16
Undergraduate Degrees
Graduate Employment
Electronic Engineering Degrees
Scholar-Industry Engagement
students in
Electronic Engineering Summer Schools
in partnership with
Headstart EDT
Scholarships in Electronic Engineering at Partner Universities
bursaries
work-placements
mentors
workshops
Scholar Graduate Placement Scheme
Partner Companies
EMPLOYMENT
Promoting Employer Engagement with Schools
working in partnership with national programmes including
Go4SET EDT
Interest
Attract
Build Relationships
Secure

ASAS

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Masters Level Modules

- A network of Universities selected by industry
- An innovative approach
- Flexible bite-size provision
- Module by module
- Bridging the skills gap
- No academic prerequisites
- Developing the existing workforce

ADVANCED
SKILLS
ACCREDITATION
SCHEME

Best Courses from the Best Sources

Career Advancement & Progression

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- 1,300 women in leading companies such as Jaguar Land Rover, Airbus, BAE Systems have benefited from it
- 58% have taken on more responsibility
- 18% have taken on a new role
- 97% of women state they have a more proactive approach to their career progression
- 88% of women state they have more confidence and self-belief

"It's not just about promotion - it is about enabling women to see what success looks like for them as an individual."

Andrea Stallan
Diversity and Inclusion Consultant

Andrea Stallan – Jaguar Land

JAGUAR

LAND ROVER

Semta helps improve women's career progression

In 2009 Jaguar Land Rover, the leading premium automotive business in the UK, initially put 42 of its female leaders and managers through Semta's Career Investment & Progression Programme.

SME Best Practice Case Study

Autotech are an SME that design, install, maintain and upgrade electronic control systems and specialising in logistics, automotive, airports, food beverage, facilities and manufacturing who have barriers attracting the right people to meet the business need.

Semta Support

- Implementation of Apprenticeship programme via Semta Apprenticeship Service.
- Need 6 Graduate 3D modelling, CAD/CAM Engineers.
- Semta are helping to source quality Graduates to meet business need.

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How Semta can Help!

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supporting

Access to funding, quality training providers and a suite of tools to give a return on your investment

employing

Recruitment and mentoring of engineering and STEM apprentices and graduates

monitoring

Assessing supply chain capability to produce a company training plan

training

High quality programmes, with demonstrable results from the shop floor to the managing director

advising

Advising everything needed to be a success in the advanced manufacturing and engineering sector

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