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NEW ENGINEERING

POWERING EDUCATION : ENRICHING LIVES

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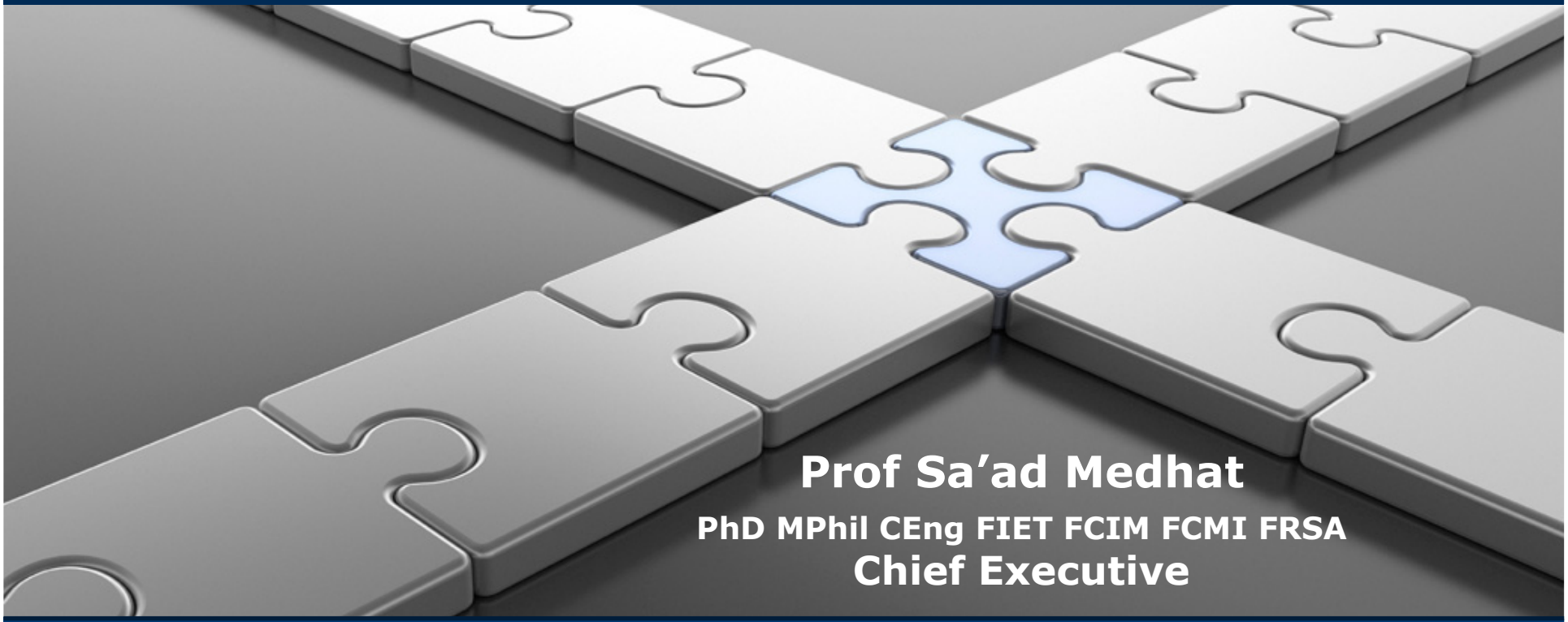
Aligning the offer, connecting the pipeline and responding to opportunities



Prof Sa'ad Medhat

PhD MPhil CEng FIET FCIM FCMI FRSA

Chief Executive

A vision of further education

FE and HE

- **Looking beyond the short-term vision of training for a trade**

LSC mission statement

"We have a single goal: to improve the skills of England's young people and adults to ensure we have a workforce of world-class standard"

- **This vision cannot be achieved without higher- level skills**

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An FE-HE vision for science, engineering and technology

A new vision ?:

We will harness the combined strengths of FE and HE institutions to secure the UK's place in the high-value technical and scientific economy of the future.

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Building on strength

FE ⟷ **SMEs**

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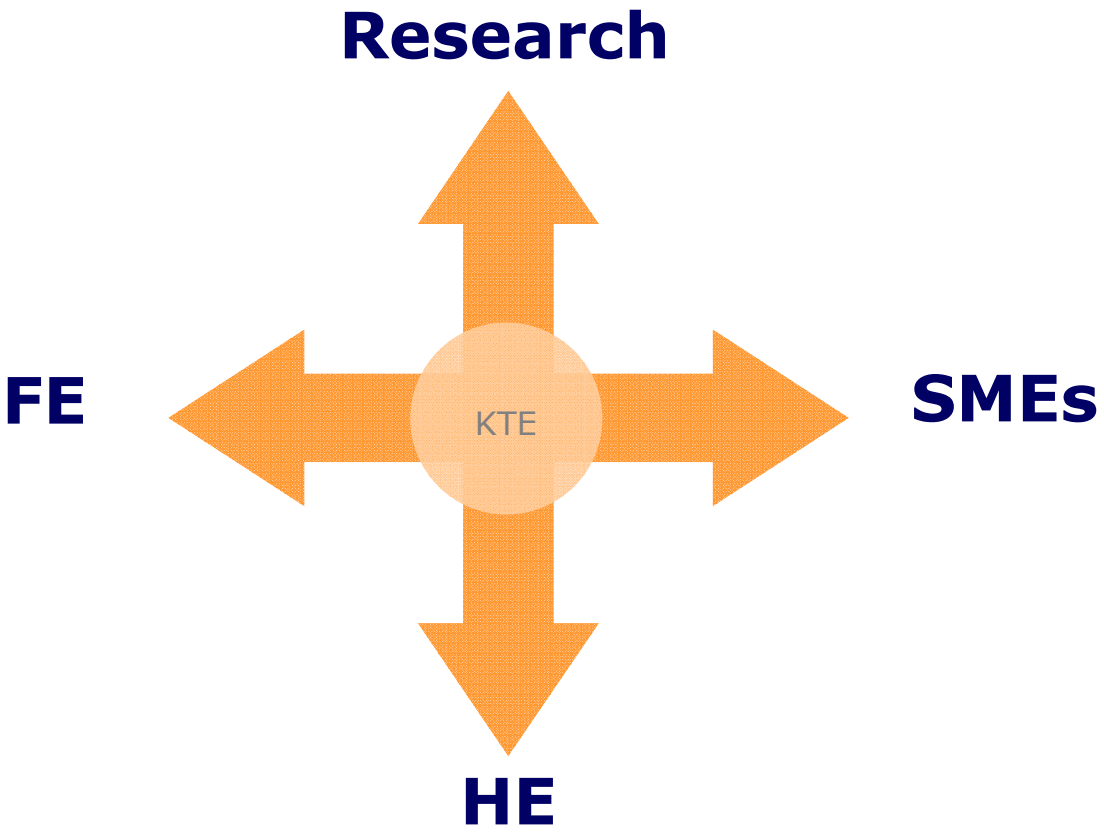
Connecting the pieces



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Knowledge and Technology Exchange Opportunities

- **Staff secondments**
- **Joint developments**
- **Collaborative Regional Activities (e.g. ERDF)**

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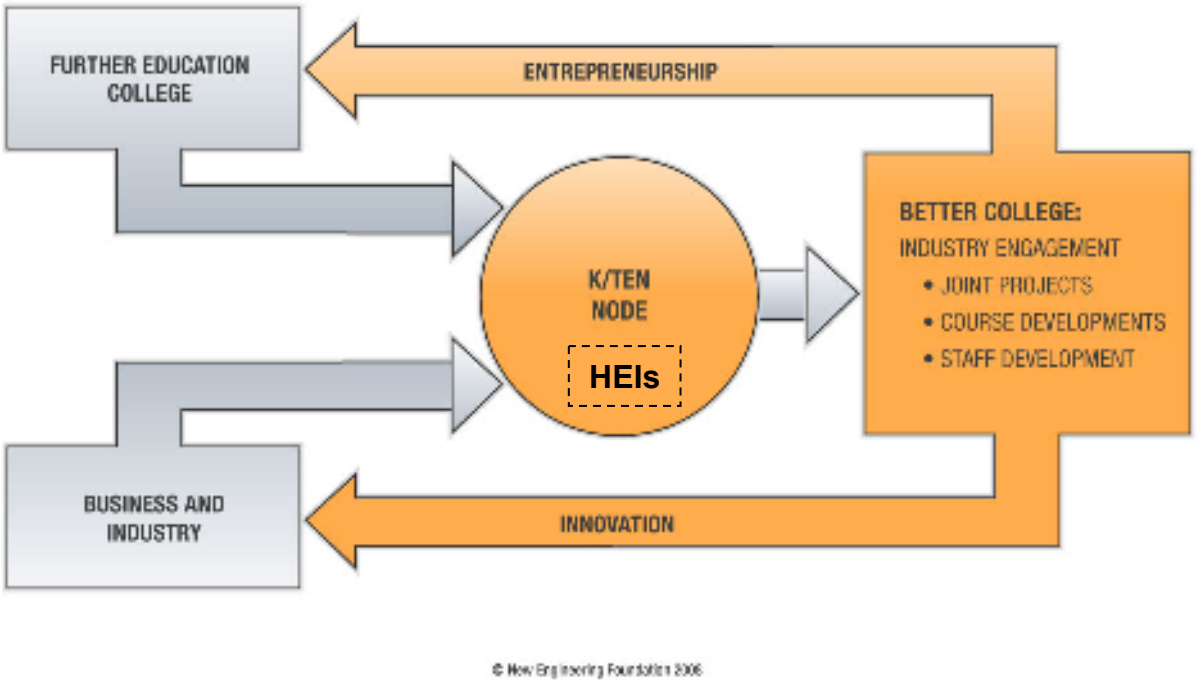
Knowledge and Technology Exchange Nodes – KTENs



- Develop an innovation activities' Action Plan
- Create / embrace specialist networks (with HE and FE)
- Improve impact of FE business innovation & engagement

- Facilitate the dissemination of good practice
- Enable development of new teaching and learning in SET inquiry-based-learning
- Improves HE ⟷ FE Collaboration

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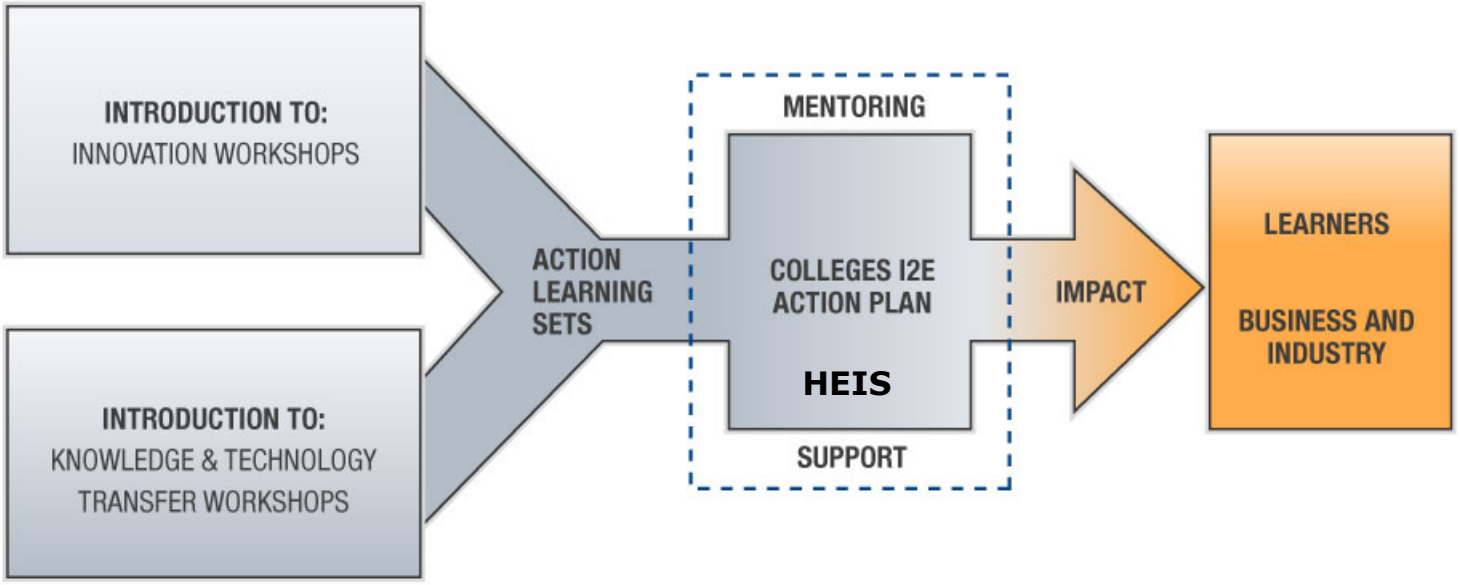
Supporting the uptake of new and emerging technologies (Composites, Low Carbon, Nuclear)



Workshops around the country on Innovation & KTT

Action Learning Sets (South, Midlands, North)

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Industrial Fellowship Scheme - IFS

130 colleges in the IFS to date

360 lecturers participated (1080 associated)

Benefitting an estimate 140,000 students

<u>In 2010:</u> **27 colleges, 60 lecturers**
17% female / 83% male
46% hosted by large companies
42% by SMEs
11% by universities

Over 150 teacher-generated e-learning content

http://www.neweng.org.uk/resources.asp

Estimated contribution from B&I in kind: £2.13 million

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Economic imperative

- **Funded HE provision in FE**
- **Lower cost-per student in FE**
- **Potential to increase access to universities**
  - Accelerated programmes
  - Work based learning

Experiencing the retrenching of HE provision in FE!!!

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Change is happening fast in FE – *HE is catching up slowly!*

1. **The planning, commissioning and funding**
2. **Inspection – the introduction of new Inspection Framework and the changes in terms of how success is measured**
3. **Curriculum & qualifications' structure (Qualification and Curriculum Framework)**
4. **Educational & Pedagogical setting**
5. **Political change (agency, responsibility, accountability etc)**

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Alignment is needed…

- **Funding (better models)**
  - *Degrees, Foundation Degrees, Access and other forms of franchise arrangements*
- **Quality Assurance & Improvement**
  - *OFSTED's new Inspection Framework vs QAA Framework*
  - *External provision in terms of training TQS and TQSE*
- **Curriculum development and delivery**
  - *WBL, e-learning and CPD escalators*
  - *Learner support*

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It is about…

"Shared responsibility"

"New Professionalism"

"Strategic Leadership of HE & FE"

Thank You

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