



# The I Eng Working Group

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EPC Output Standards Project

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- ◆ Interim Report - December 2000
- ◆ Engineering Graduate Output Standard...
  - Generic, non-discipline-specific
  - Key Skills + 26 'Ability to' statements
- ◆ Exemplar benchmark statements...
  - Civil; Electronic; Manuf; Mech. Eng.
  - At threshold level of attainment,
  - For C Eng accredited B Eng(Hons) !

# I Eng Working Group

- ◆ Set up April 2001
- ◆ Representatives from 7 Universities :
  - Coventry, Exeter, Glamorgan,  
Nottingham Trent, Portsmouth,  
Sheffield Hallam, Staffordshire...
  - Institution of Incorporated Engineers
  - EPC Project Officer

## Remit of the I Eng Working Group...

- ◆ Is the generic Eng Graduate Output Standard applicable to I Eng graduates ?
- ◆ Can exemplar benchmark 'ability to' statements be written for I Eng graduates ?
- ◆ Is it possible to differentiate I Eng and C Eng graduates ?
- ◆ What are the fundamental differences between threshold I Eng & C Eng grad's ?

# The Engineering Graduate Output Standard ?

- ◆ Basic framework of ‘ability to’ statements is equally applicable to I Eng graduates.
- ◆ Helpful to...
  - introduce interpretative statements to qualify the high-level ‘ability to’ statements.
  - occasional use of ‘awareness of’ etc, to reflect difference between I Eng/C Eng.

# Exemplar benchmark statements for I Eng graduates ?

Sets of illustrative threshold exemplar benchmark statements prepared for....

- ◆ Civil Engineering (2),
- ◆ Electrical and Electronic Engineering,
- ◆ Mechanical Engineering (2),
- ◆ Mechatronic Engineering.

# I Eng v C Eng exemplar benchmark statements ?

- ◆ Exemplar benchmark statements can be written to differentiate threshold I Eng graduate from C Eng/B Eng graduate.
- ◆ Illustrative statements prepared for Mechanical Engineering I Eng degree and C Eng/B Eng graduates.
- ◆ Much commonality but with distinct differences and strengths.

# The differences between threshold I Eng & C Eng graduates ?

- ◆ Mathematical and computing skills.
- ◆ Complexity of the exemplar 'tasks'.
- ◆ Practical and application skills.
- ◆ Level of supervisor support and guidance.
- ◆ Creativity and innovation.



## Above the I Eng threshold...

- ◆ A continuum of abilities, skills, creativity, etc to the highest levels of attainment...
- ◆ ....with considerable overlap with C Eng graduates.

# In conclusion...

.....Overall positive support for the  
Graduate Output Standard.

# The I Eng Working Group

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