



THE INSTITUTE OF HIGHWAY ENGINEERS

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Chief Executive

www.theihe.org |

Advance your career with The IHE



APSE
Roads and Highways Seminar
Newcastle
March 3rd 2016



Outline of presentation

- What is IHE
- What is NHEA
- Why NHEA
- Offer to employers
- Offer to employees
- What you should do next



- A professional institute licenced by Engineering Council
- 3500 practitioners
- Professional competency training
- Registers of highway experts
- Awards C Eng. I Eng. and Eng. Tech

The Institute of Highway Engineers

- Founded in 1965
- Registering engineers and technicians with the Engineering Council since 1972
- Run by and for practical engineers and allied professionals
- National branch network including Northern Ireland



‘To be The Institute of Choice for Highway Engineers’

Mission

‘To provide professional development opportunities, support & leadership for individuals to achieve & maintain professional recognition’

The Institute of Highway Engineers

- 3200 members representing a broad range of highway disciplines
- Many special interest groups including Traffic Signals, Traffic Signs, Highway Maintenance, Highway Inspectors Scheme, Development Management & Winter Services

IHE Experience

- Licensed Institution of the Engineering Council
- IHE is licensed to register at Chartered, Incorporated and Engineering Technician levels and to accredit training for IEng and EngTech
- Road Safety Auditors Register established which recognises competent RSAs in line with HD 19/03
- IHE awards a number of Professional Certificates which allow applicants to submit a report and portfolio which is tested against statements of Competence identified by the IHE
- Founder member Joint Board of Moderators (JBM)
- APPG Sponsorship
- University links



- National Highways Engineering Academy
- Establishing in 2016
- One stop shop for career development in highways
- Open to all

Why are we establishing NHEA

- Industry wide shortage of skills
- Industry reputation
- Open up clearer career paths
- Empowers employees

Why are we establishing NHEA

- **Departments have significantly cut their staff numbers and costs in the last five years but not enough planning has gone into making sure that, over the longer term, the reductions already made and any required in future are sustainable and do not damage the delivery of public services. The centre of government must do more to help departments meet these challenges, including managing the heightened risk of a shortage of vital skills.”**

- **Amyas Morse, head of the National Audit Office, 5 June 2015**

Why are we establishing NHEA

- Royal Academy of Engineering suggests more than one million new engineers and technicians needed by 2020
- More attractive areas of engineering - HS2, Crossrail, nuclear power stations
- Workforce, resources and supply chain
- Age profile of current professionals

What can it offer employers

- Clearer qualifications and competency structure
- Assurance for recruitment
- Assists appraisal and staff development
- Improves skill set of employees

What can it offer employees?

- Career in highways is possible
- No glass ceilings to promotion
- Self determined progress
- Transferable passport of skill set
- Experience valued equally to academic qualifications

NQF Level	ACADEMIC		CAREER PATH		IHE GRADE		
8	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> Doctorate PhD </div>				Expert HE		
7	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> Master's Degree MA, MSc, MPhil </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #FFA500;"> CEng </div>				
6	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> University Degree BA, BSc </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #FFA500;"> IEng </div>		Specialist HE		
5					<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> Foundation Degree </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> HND </div>	
4		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> HNC </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #FFA500;"> Eng Tech </div>				
3	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> A-Level </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> A2 </div>			<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> AS </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> L3 Extended Diploma (National Diploma) </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> L3 Diploma (National Certificate) </div>
2	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> GCSE Grades A-C </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> L2 Diploma (1st Diploma) </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #006400;"> Advanced Apprenticeship </div>		
1	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> GCSE Grades D-G </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> L1 Diploma (Foundation) </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #006400;"> Intermediate Apprenticeship </div>	Training Apprentice	
Entry level 3	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> Key Stage 3 </div>		<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #ADD8E6;"> E3 Diploma (Foundation) </div>				
	SCHOOL/6 TH FORM	FE COLLEGE	ENG COUNCIL/IHE MEMBERSHIP	APPRENTICESHIP			

NATIONAL
HIGHWAYS
ENGINEERING
ACADEMY

What should you do next?

- Ensure CV is up to date
- Ensure you engage in your appraisal
- Ask where you would like to be in five years time
- Look at next level of opportunities
- Access the academy (From Feb onwards)