THE POWER INDUSTRY: WORKFORCE AND SKILLS PROFILE: KEY FACTS AND FIGURES
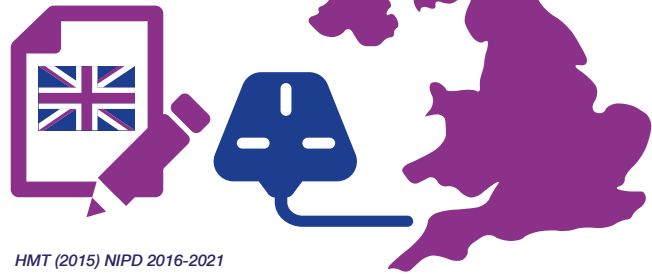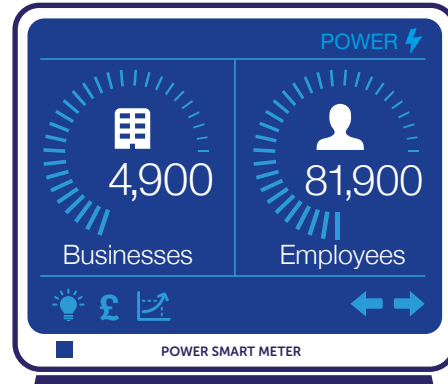
WEBSITE   FULL PROFILE REPORT

CHARACTERISTICS OF THE INDUSTRY

The energy industry is responsible for delivery of around **35%** of the **£500bn** national infrastructure plan

HMT (2015) NIPD 2016-2021

THE POWER INDUSTRY

POWER

4,900 Businesses

81,900 Employees

POWER SMART METER

ONS (2015) UK Business Count

EMPLOYMENT & WORKFORCE RENEWAL

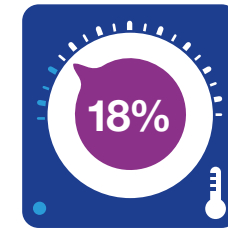**63,000 vacancies** will need to be filled during the **next decade**.

NSAP (2016) Workforce Planning Research Results

The **power industry recruited** **47%** of university leavers who joined the energy and utilities sector.

EUSG (2017) HESA Data Analysis Higher Education Statistical Summary 2015/2016
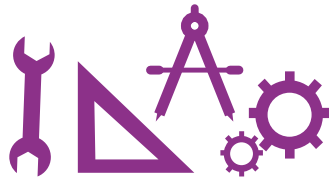
18% **18%** of the total workforce is over **55 years old**.

BIS (2017) Labour Force Survey (4 quarter average Jan-Dec 2016)

Skills shortages identified are at three levels in the power industry:

Technical: such as R&D and engineering skills.
EUSG (2013) Foresight: Overview of key findings

Professional: Monitoring and network management skills, and customer facing skills.
EUSG (2013) Foresight: Overview of key findings

Cross-sector: Need for transferable cross-sector skills and utilisation of skilled workers from declining infrastructure sectors.
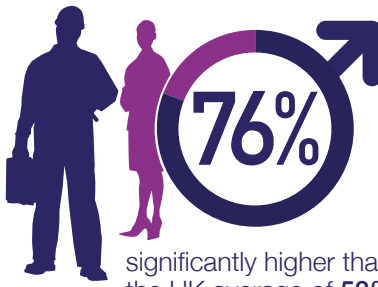*HM Treasury (2016) National Infrastructure Delivery Plan*

6% BAME

Just 6% of the workforce is from a **BAME background** (compared to **12%** UK average).

ONS (2016) Labour Force Survey (4 quarter average Jan-Dec 2016)

THE WORKFORCE IS MALE DOMINATED

76% significantly higher than the UK average of **53%**.

ONS (2016) Labour Force Survey (4 quarter average Jan-Dec 2016)
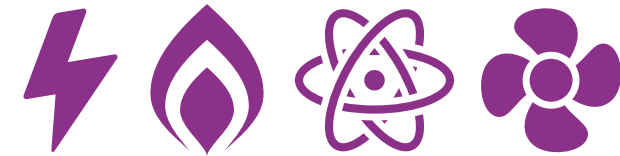
SKILLED 21% TRADES

PROFESSIONAL 24% OCCUPATIONS

The power industry employs proportionately more of its workforce in **skilled trades (21%)** and **professional occupations (24%)**.

ONS (2016) Labour Force Survey (4 quarter average Jan-Dec 2016)

Of all the apprenticeships started in the energy and utilities sector, in 2014/15, **50%** were in 'electricity, gas, stem and air conditioning'.

London Economics (2017) The incidence of apprenticeships in England

The highest level of apprenticeship expenditure is amongst the larger levy paying businesses, equating to approximately 93% of the total expenditure (contrary to the UK average of **43%**).

DfE (2016), Information on apprenticeship levy: data drawn down by size and sector and the total apprenticeship budget

Unless otherwise stated, all figures relate to the Power industry specifically.

SKILLS CHALLENGES

INDUSTRY DEMOGRAPHICS

APPRENTICESHIPS EXPENDITURE & STARTS