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Economy and Employment

Hydrogen is a big business that is growing rapidly as countries work towards their decarbonisation targets.

It is important to look ahead to the jobs that will be created and the education, skills and training programmes that will need to be in place to enable employees to recruit the best candidates. Many of the roles will require a highly educated workforce that will, in turn will demand higher salaries. This will have an impact upon a company's profits and overheads.


However, the growth in the hydrogen market will see businesses expanding to serve a growing market and to meet the sustainable energy requirements. This will create more jobs and improve a company's revenue.

Economy and employment are closely linked with education and whilst the full requirements of some future job roles are not yet known, it is important for schools and technical colleges to keep up to date with the latest technologies. This will ensure that their students leave education with a clear understanding of the role that hydrogen can play in the future job market.

Just like the tariffs for the fossil fuels imported and exported now, it is likely that hydrogen will be subject to these. Again, the cost of these remain unknown but need to be considered when planning for a future economy based around hydrogen. Companies will need to balance the cost of investing in new technologies with the sanctions imposed upon them if they do not meet their decarbonising targets.

Links to additional resources for this topic			
<u>Economy and Employment Student Powerpoint</u>	<u>Economy and Employment Extra Information for Teachers</u>	<u>Economy and Employment Additional (Extra) Information for Teachers</u>	

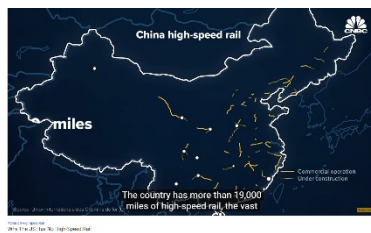


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Economy and Employment videos and links

Video to show the impact of existing companies on the uptake of hydrogen 16.10
English with subs

https://youtu.be/Qaf6baEu0_w



A report on the development of H2-energy in the region of Bourgogne Franche-Comté 11.46



<https://youtu.be/xMdLbCrK5z0>



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An interview the CEO of H2SYS company which was held at the Hannover Fair 2019. 18.15 mins



https://www.youtube.com/watch?time_continue=826&v=jIN8KF8SMHg

Good links

<https://www.researchgate.net/project/e4teach-Evidence-for-Teachers>

Economics links – Hydrosol reactor – tried, tested and enhanced in Spain – cost effective hydrogen production

<https://www.fch.europa.eu/success-story/hydrogen-power-zero-co2-emissions-and-energy-security>

History – In the making BigH²it – Orkney Island project

<https://www.fch.europa.eu/success-story/hydrogen-power-zero-co2-emissions-and-energy-security>

Case study Aberdeen

<http://www.hytec.eu/Resources/Resources.aspx>



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Royal Academy of Engineers site

<https://www.raeng.org.uk/education>

9.23 - Delivering Policy Change – English with all other subtitles



Colin Davies - Delivering Policy Change

<https://youtu.be/nGXGPG1zgNE>

9.12 Idrogeno – Italian



<https://www.youtube.com/watch?v=8tno9ZXv0yc&t=68s>