

STUDENTS GAIN INSIGHT INTO WATTS ON THEIR DOORSTEP



Students looking to generate successful careers for themselves as electricians have been given an insight to power on a grand scale.

A group from Redcar and Cleveland College's electrical department enjoyed a tour of the power facilities at the Wilton International site courtesy of on-site generator Sembcorp.

The students were amazed at the scale of the industrial infrastructure on their doorstep.

More familiar with the 240 volt mains electricity supply to households and businesses, they learned how Sembcorp Utilities UK delivers continuous and ultra-reliable supplies of low-carbon power at 66,000 and 11,000 volts respectively to its industrial customers from a variety of power plants at the site.

Sembcorp also has the ability to ‘export’ electricity generated at Wilton into the national grid at times when power demand is high and the nation most needs it. The students also heard how, building on this capability, Sembcorp earlier this year acquired UK Power Reserve, a business involved in rapid response delivery into the national distribution system from small scale flexible power units at more than 32 locations in England and Wales. UKPR is also involved in the development of the UK’s largest battery storage portfolio.

“It was the second time a group of our students have visited the site in the past year and it was hugely informative for them to get a grasp of the energy industry,” said Richard Esposito, Group Leader in the R&C Electrical department, pictured third from left above.

He added; “Seeing how power is generated and distributed to industrial companies in the area and across the country really brings to life the theoretical side of their studies and we’re really grateful to Sembcorp for giving us this unique insight.”

The visit included a presentation by Tony Jefferson, the site’s responsible electrical engineer, plus a look inside one of the 90 switchhouses, a close up view of a high voltage transformer and a visit to the Sembcorp power station control room.

Mr Jefferson, pictured centre above said: “We have strong partnership connections with many local training providers and were delighted to give the Redcar and Cleveland College students an understanding of how low our carbon power is generated on a grand scale.”



Operations technician Shareef Owarth keeps a close eye on plant performance as Darren Proudman explains how Sembcorp delivers power to the site. Below, Tony Jefferson makes a presentation explaining the complexity of the site to the students.

