



The team at KWS PowerTech Training Center (KRAFTWERKSSCHULE E.V. – KWS) is looking forward to welcoming you and your colleagues in our training facility in Essen, Germany for one or all of our 2019 English language training courses!

Constant changes in technological development require of power plant personnel to stay up to date. Our courses offerings and diverse training methods address this problem fundamentally and comprehensively. We never lose sight of adapting skills to needs. Keeping up professional knowledge and adapting that knowledge as necessary are of fundamental importance in all fields of expertise. This applies to conventional power plant personnel as well as to the personnel of smaller and industrial facilities for power and heat generation from multiple fuel sources.

A modular Power Plant Technology Training will be organized in 2019, covering the aspects and methods of thermal power and heat generation, developing the skills of the participants. Each module includes a detailed examination at the end with a certificate issued to the successful participants.

<b>Course title</b>	<b>Power Plant Technology – Compact</b>		
Module 1	<b>PPT-Training compact Basic Module 1</b>		
Course-ID	19I_IA_002.01		
Content	Thermodynamics / Layout of industrial power plants / Environmental protection and control installations / Occupational safety		
Module 2	<b>PPT-Training compact Engineering &amp; Components, Module 2</b>		
Course-ID	19I_IA_002.02		
Content	Steam generators basics/operations / Condensate / Feed water / Steam turbines basics / operations / Auxiliary and secondary installations / Electro technology / Control engineering		
Module 3	<b>PPT-Training compact Operation, Module 3</b>		
Course-ID	19I_IA_002.03		
Content	Class-room training and practical work with simulators: <ul style="list-style-type: none"> <li>• Unit operations during normal load operations, various assignments</li> <li>• Unit initiation form cold start to nominal load</li> <li>• Unit load changes, manual and automatic operations, as required</li> <li>• Phased unit shutdown</li> <li>• Unit initiation after shutdown due to repairs</li> <li>• Minimum load operations triggered by feed water pump breakdown, coolant pump breakdown</li> <li>• Crusher breakdown/burner breakdown, ventilation breakdown, mains switch breakdown</li> </ul>		
Target audience	Young Engineers and Operators during their first years of professional work as well as Experienced Engineers and Operators to refresh and increase their knowledge		
Duration per module	1 week (Monday – Friday)		
Date of complete course	July 15 <sup>th</sup> – August 02 <sup>nd</sup> , 2019		
Dates and costs per participant and module	Module 1 July 15 <sup>th</sup> – 19 <sup>th</sup> € 1.550,00	Module 2 July 22 <sup>nd</sup> – 26 <sup>th</sup> € 1.850,00	Module 3 July 29 <sup>th</sup> – August 02 <sup>nd</sup> € 2.500,00

Cost per module includes all course-related material.

<b>PPT Training Module 1 – Module 3</b> (complete package / package price)	Course-ID: 19I_IA_002.04	Cost: € 5.300,00
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*Minimum number of participants per Module: 10\**

<b>Accommodation</b>	Depending on availability this can be arranged either in our own apartment building next to the training facility or in close-by apartments and small hotels for a reasonable price  (costs of travel, accommodation, meals are not included in above cost per module)
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\* if the minimum number of participants is not reached, we keep the right to cancel one or all modules.

For more information and the registration form you can check the download section of our homepage  
<https://international.kraftwerksschule.de>

or contact

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