

“Analysis of the market and training needs”

Summary

In accordance with the Project workplan reported in the proposal, a survey on the labour market training needs has been realized by the consortium. More than 100 institutions have been identified for the survey: 60 have already replied and 48 of them are Chinese. These institutions are characterized by a significant number of employees and an international market.

In general, the survey has confirmed the interest on engineers with enhanced knowledge on Thermal Power Systems (TPS) on the topics that the Universities of the partners Countries proposed for their modernization. Moreover, the results highlighted the relevant perspectives of employment for engineers with enhanced knowledge at all University levels (master in particular). More in details, enhanced knowledge on internal combustion engines, combined heat and power systems and automation and control of TPS are considered of major interest.

As regards the involvement in the project, 37 of 60 institutions affirmed to be interested in being part of the ASIAxis Project Network. Even more (42 of 60) would accept students with enhanced knowledge on TPS for internships period and the same would be willing to cooperate with local and international universities in enhancing teaching of TPS.

Moreover:

- 37 of companies/organizations joined the Project Network;
- 42 are willing to accept students with enhanced knowledge on TPS for internships period
- 42 are willing to cooperate with local and international universities in enhancing teaching of TPS
- Market needs of graduates:
 - 1106 Bachelor Students
 - 1239 Master Students
 - 468 Ph.D.
- The main fields requested are: Internal Combustion Engines and Combined Heat and Power
- The most needed expertises are: control and automation, data analysis and predictivemaintenance, structural analysis, CFD

More details on these preliminary results can be found in the following sections.

Survey is still ongoing.

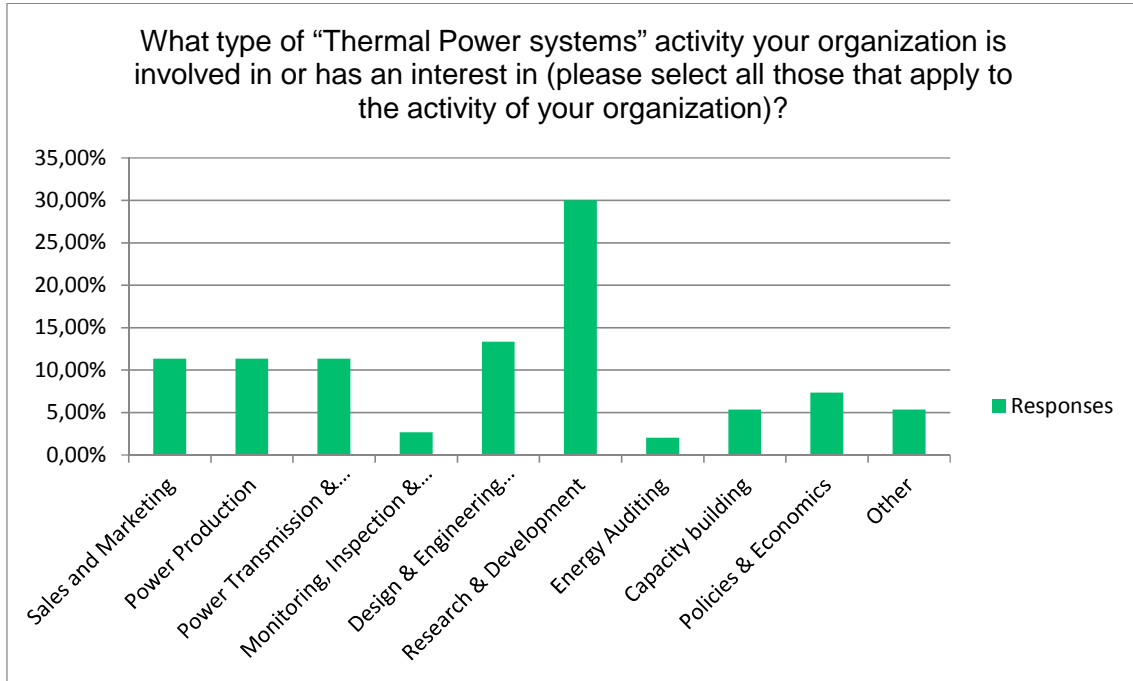
Prof. Gabriele Comodi

Coordinator of ASIAxis Project

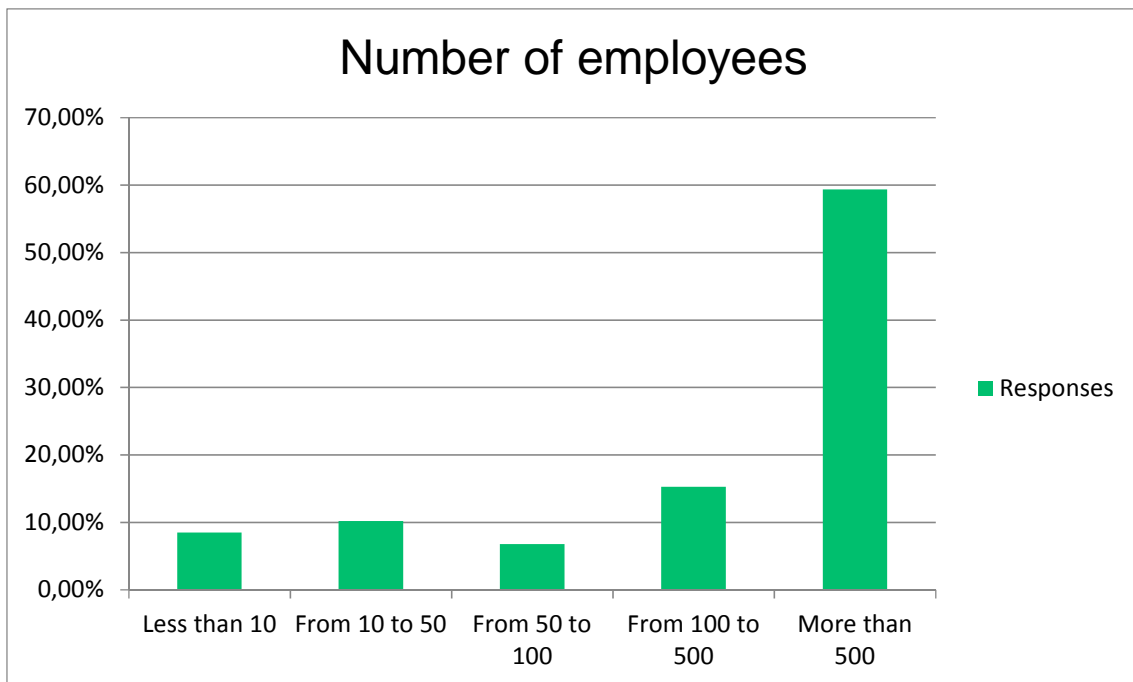
For any information, please contact:

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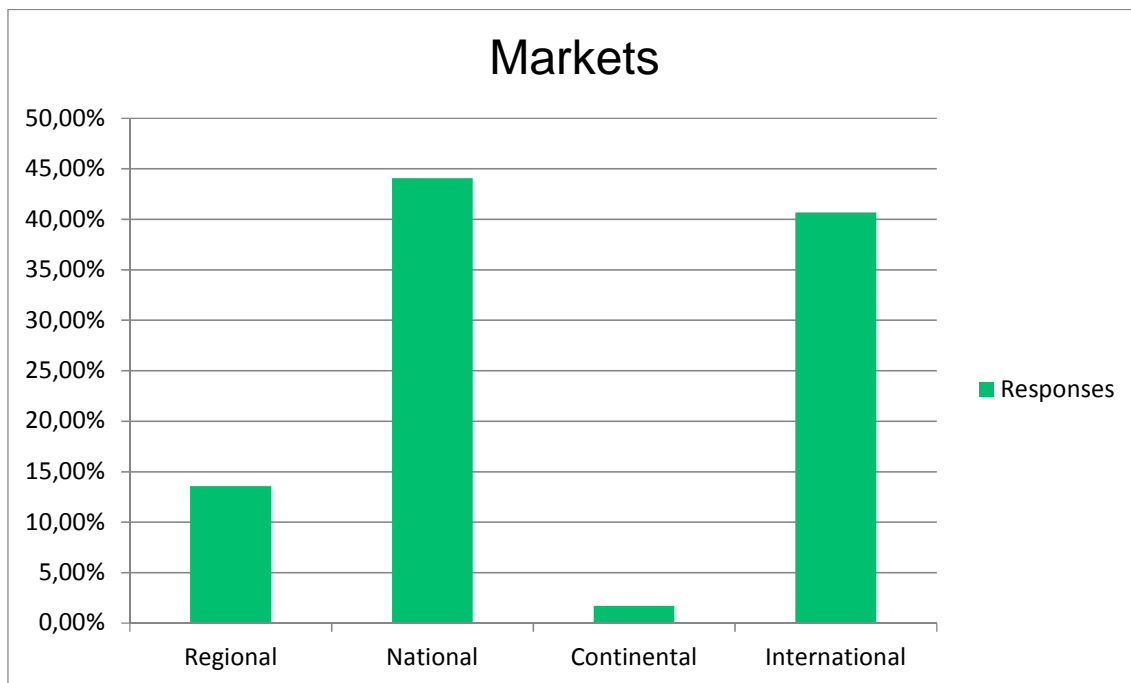
What type of “Thermal Power systems” activity your organization is involved in or has an interest in (please select all those that apply to the activity of your organization)?



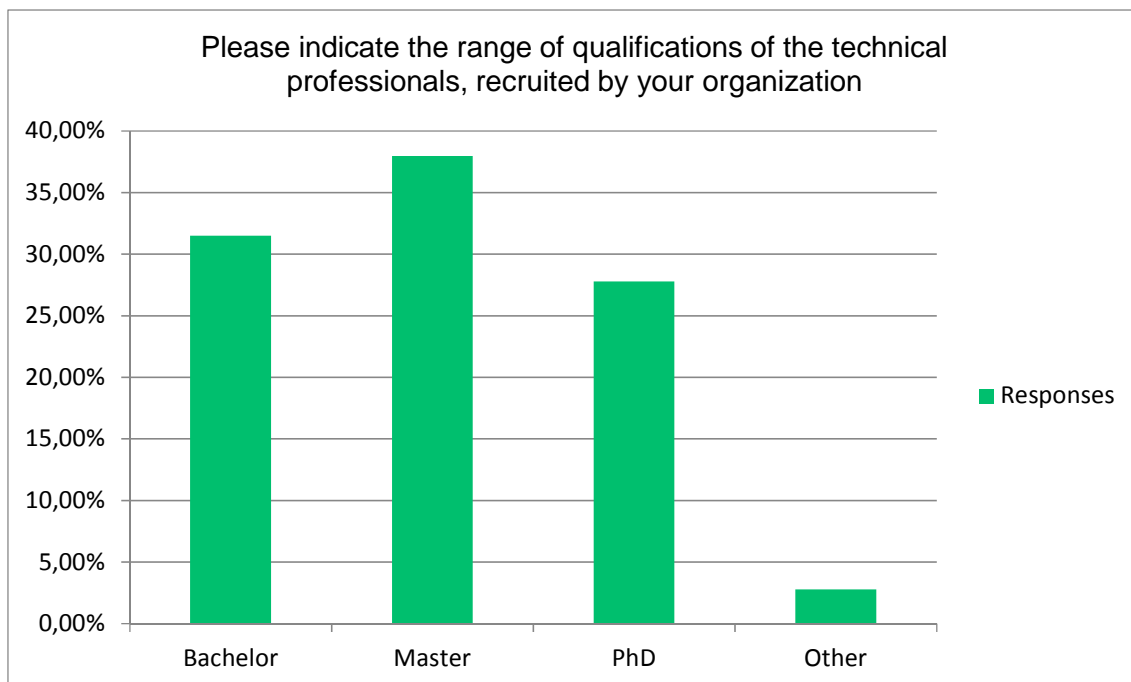
Number of employees



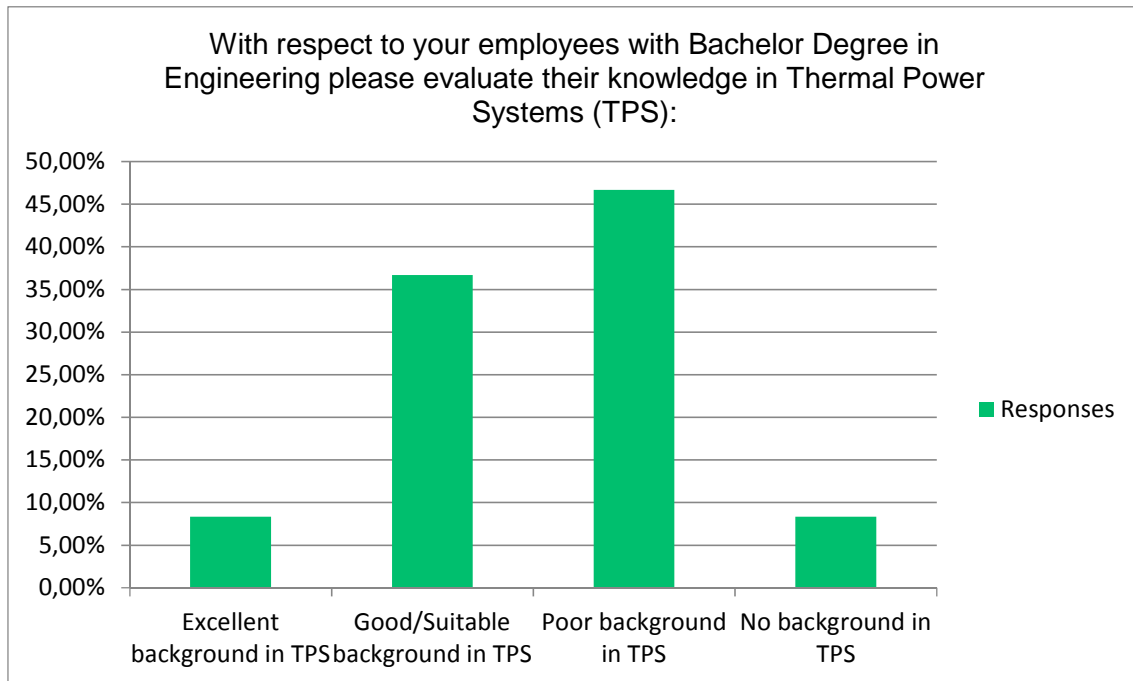
Markets



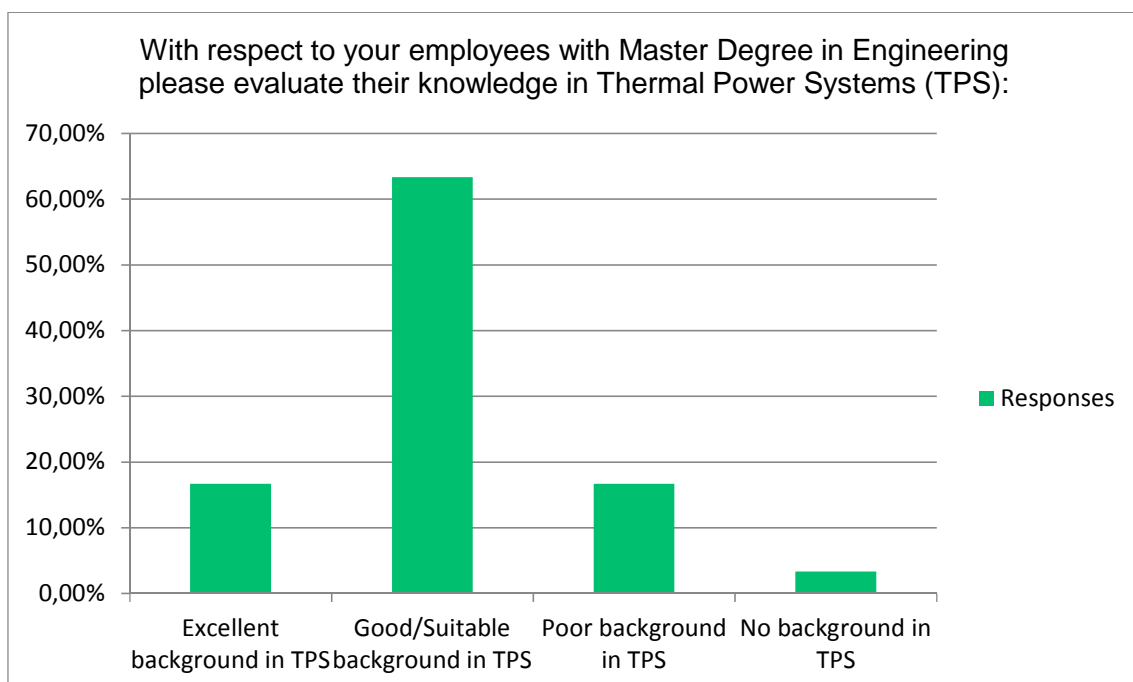
Range of qualification of employees



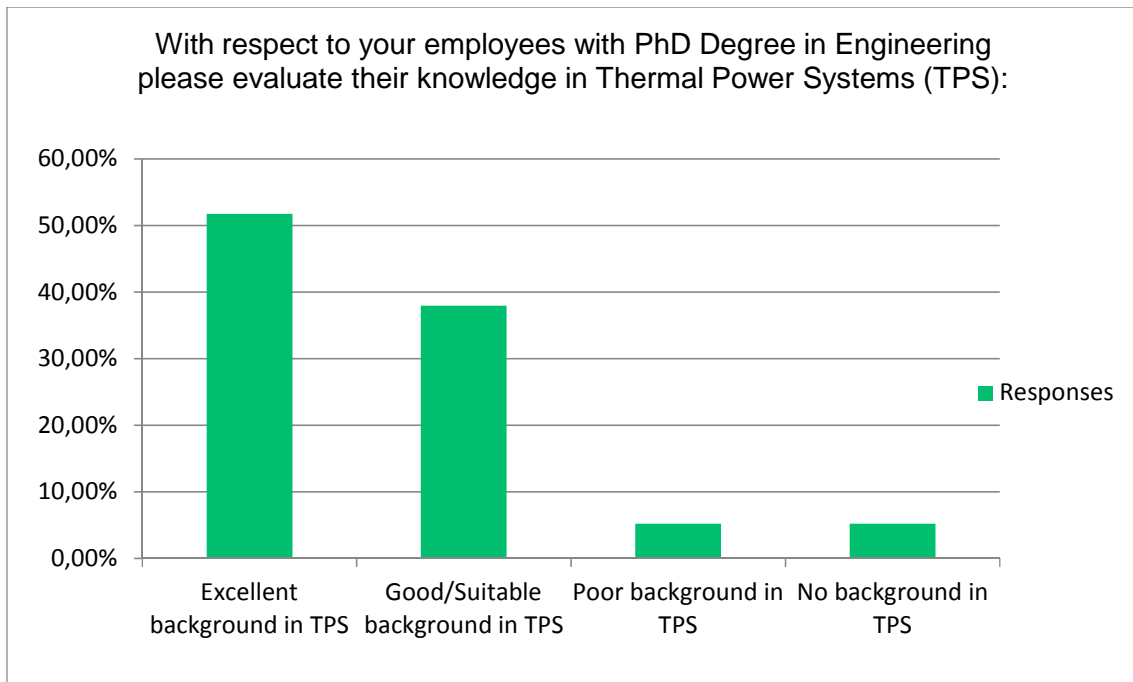
With respect to your employees with Bachelor Degree in Engineering please evaluate their knowledge in Thermal Power Systems (TPS):



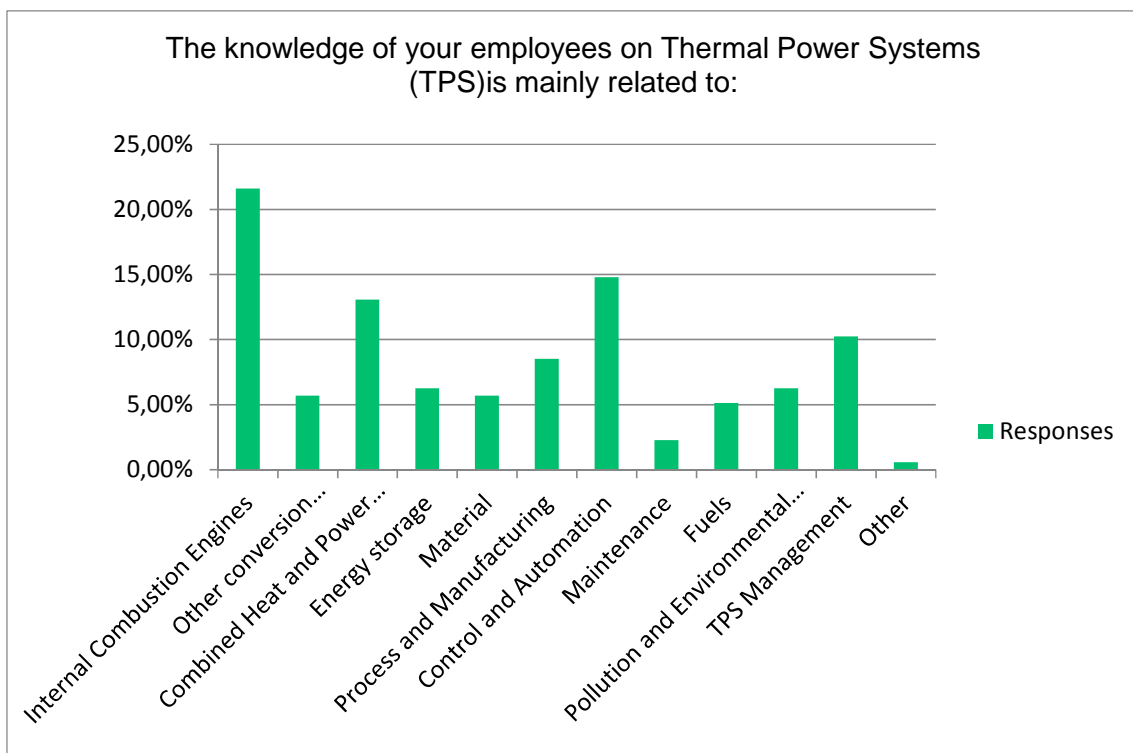
With respect to your employees with Master Degree in Engineering please evaluate their knowledge in Thermal Power Systems (TPS):



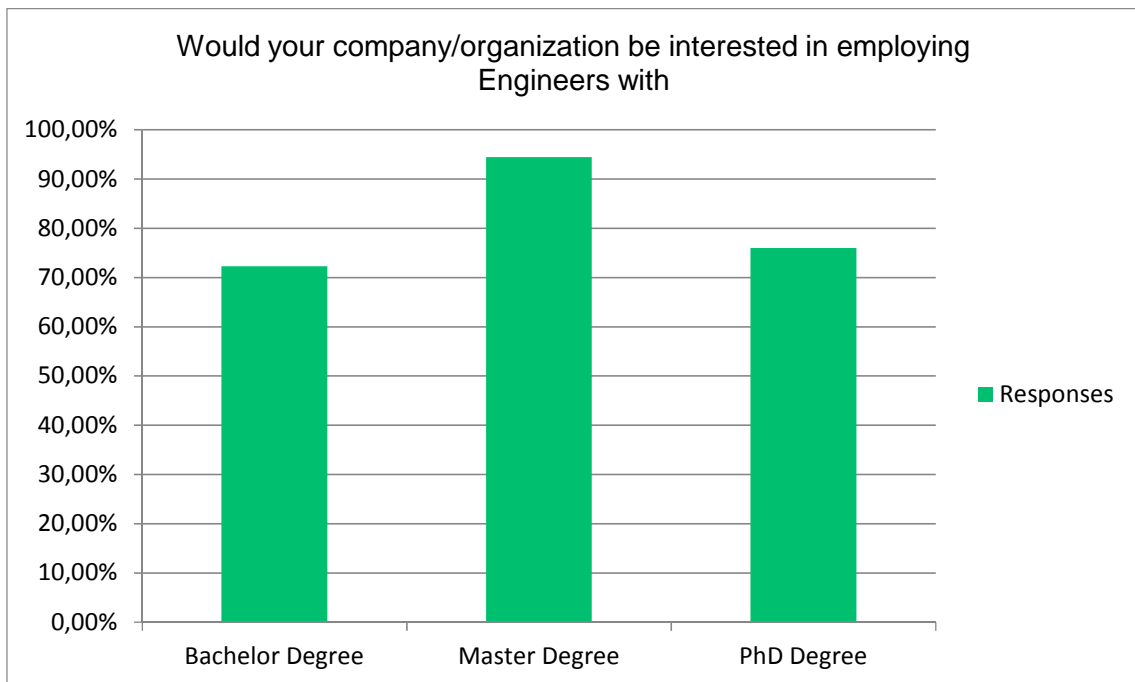
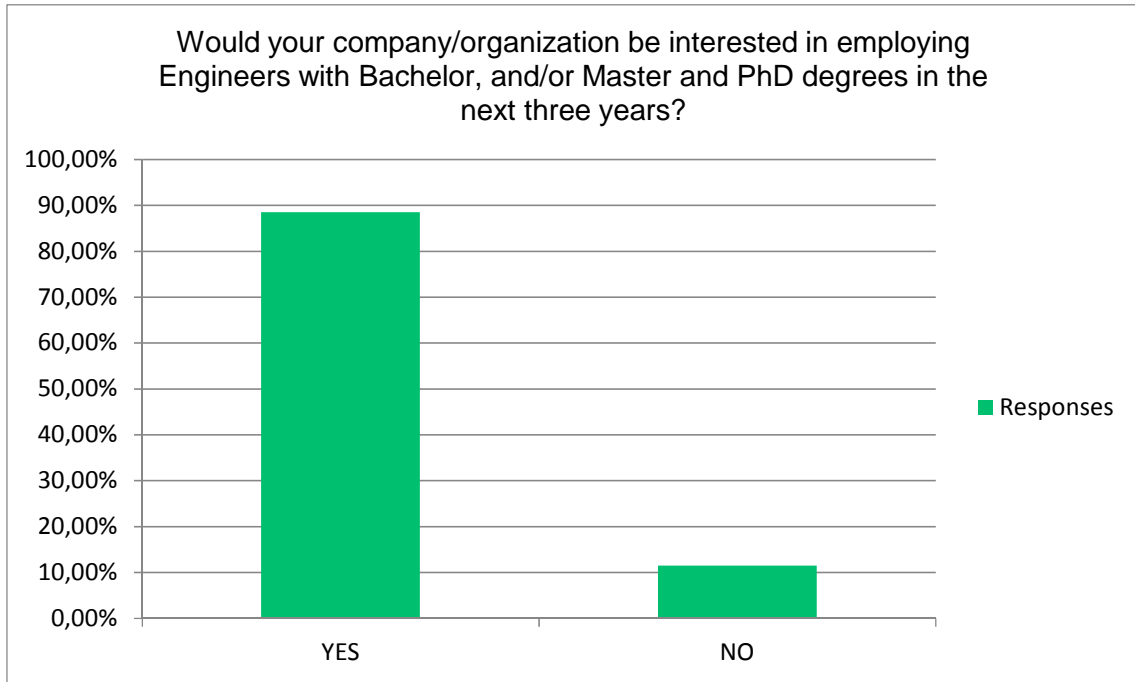
With respect to your employees with PhD Degree in Engineering please evaluate their knowledge in Thermal Power Systems (TPS):



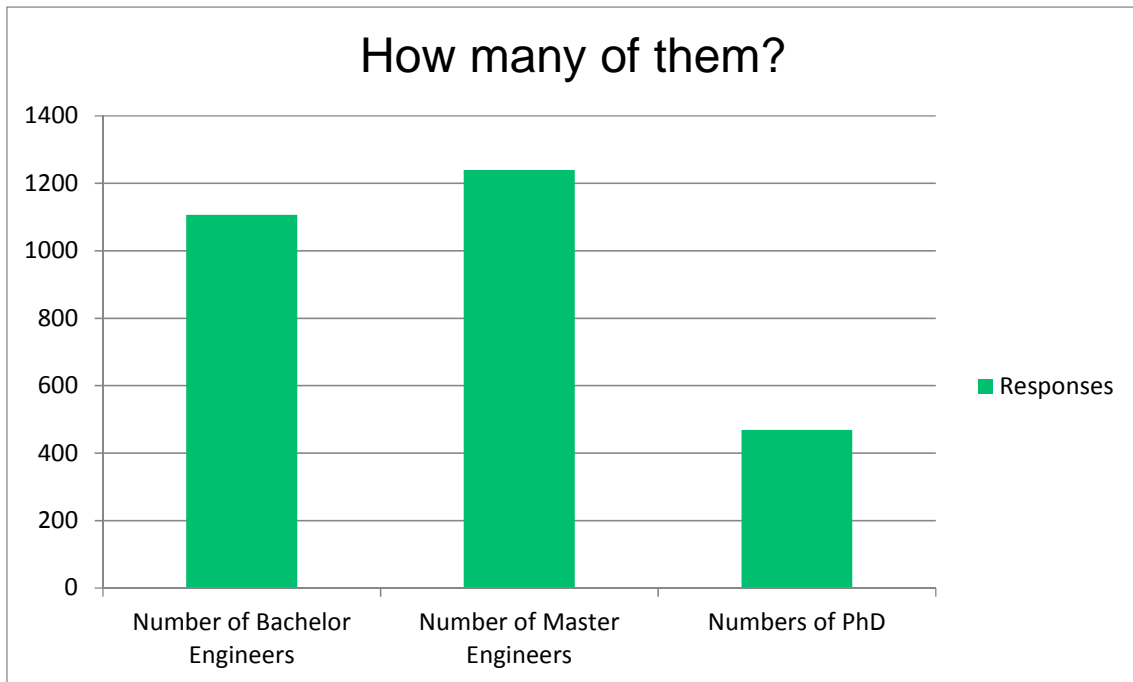
The knowledge of your employees on Thermal Power Systems (TPS) is mainly related to:



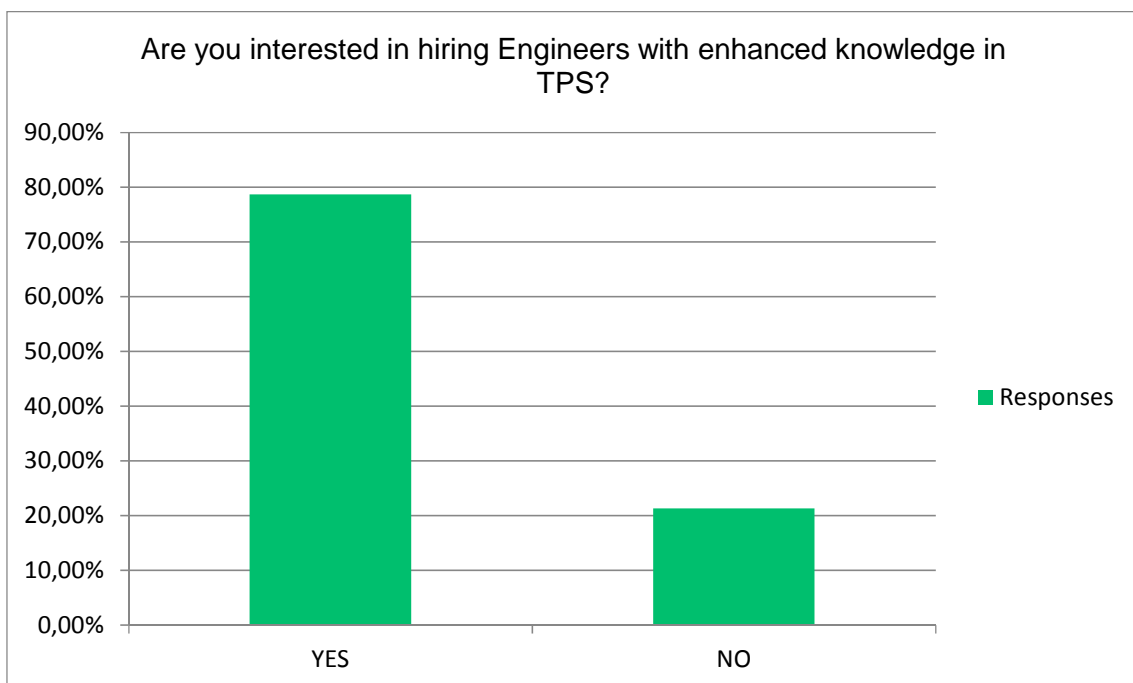
Would your company/organization be interested in employing Engineers with Bachelor, and/or Master and PhD degrees in the next three years?



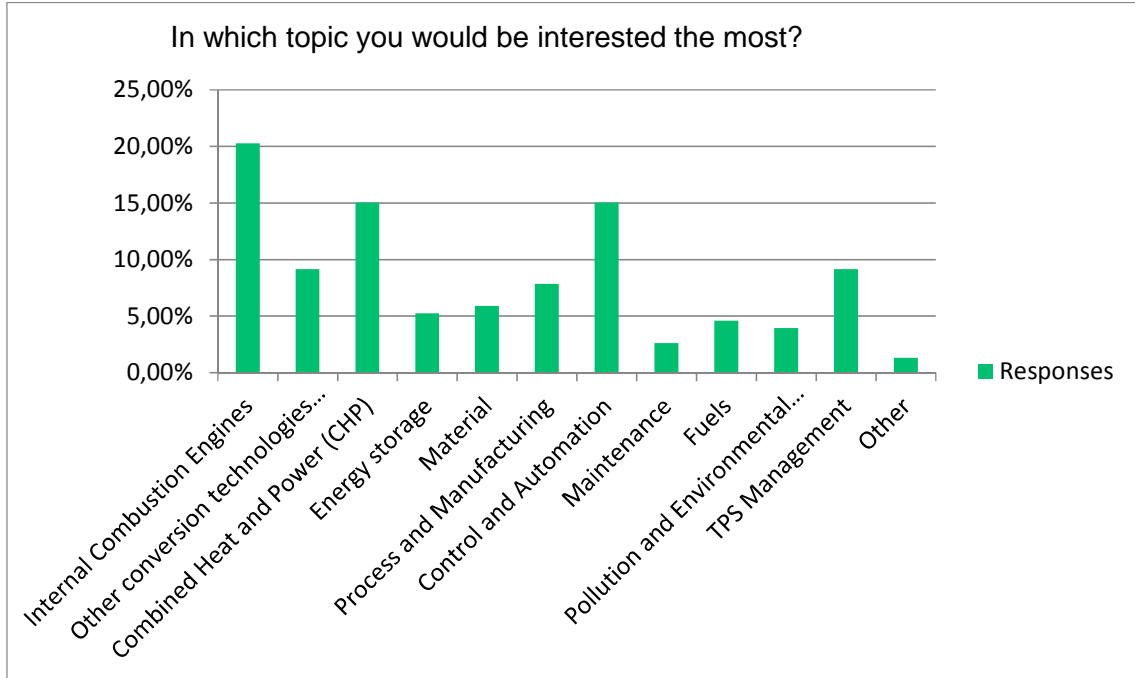
How many of them?



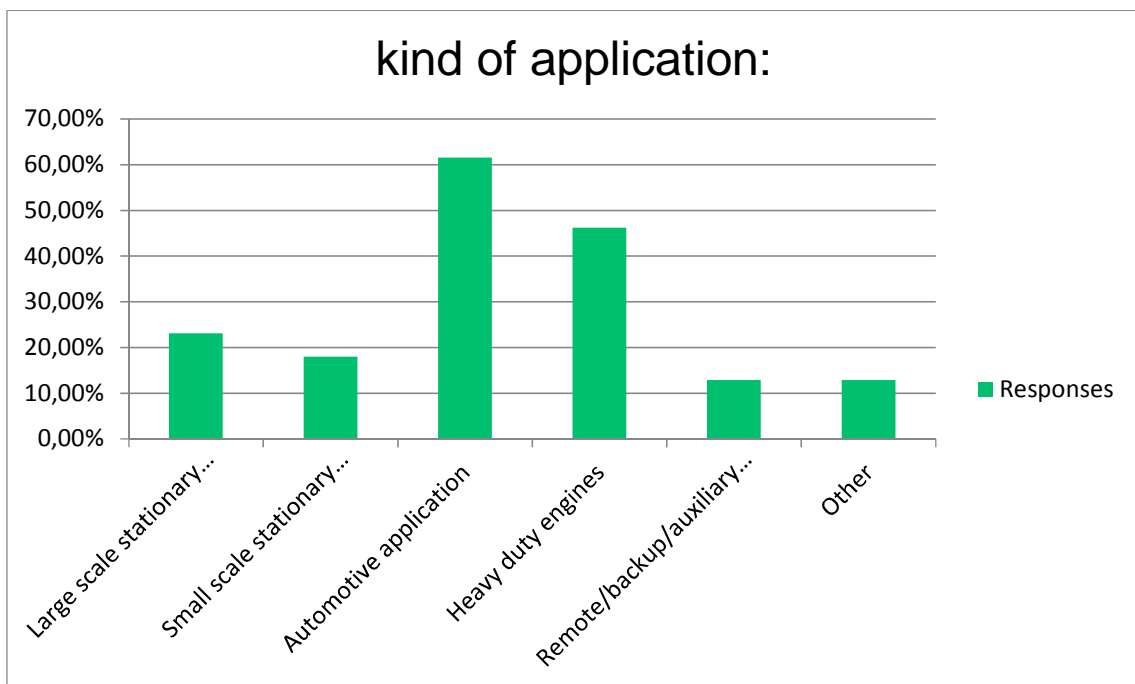
Are you interested in hiring Engineers with enhanced knowledge in TPS?



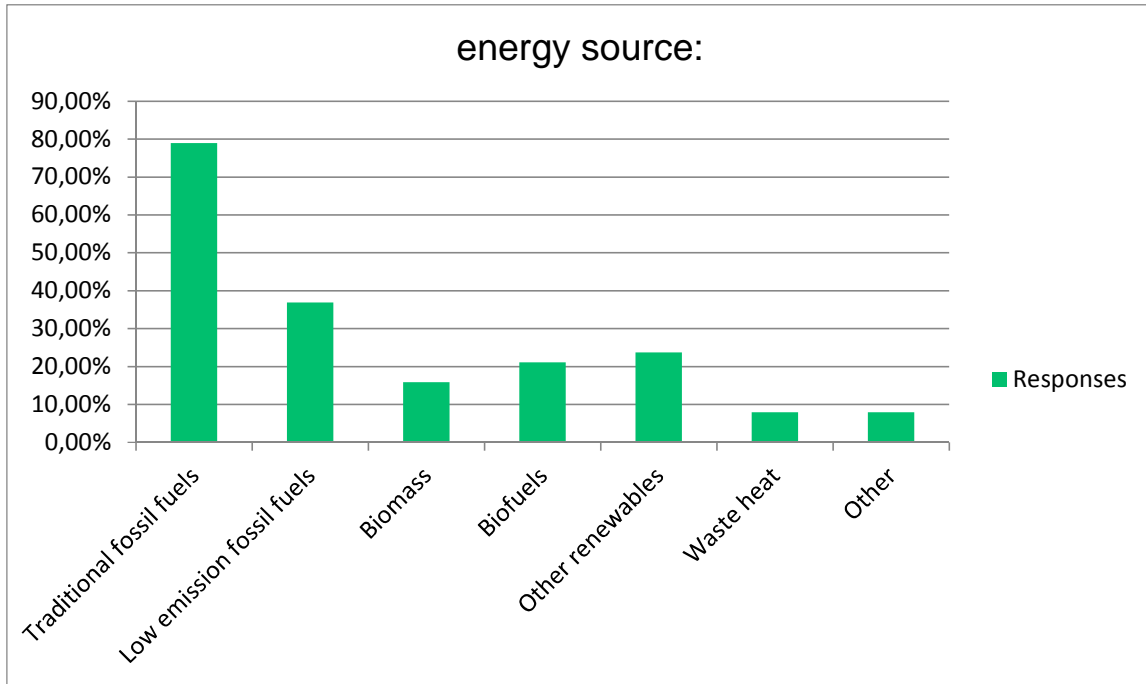
In which topic?



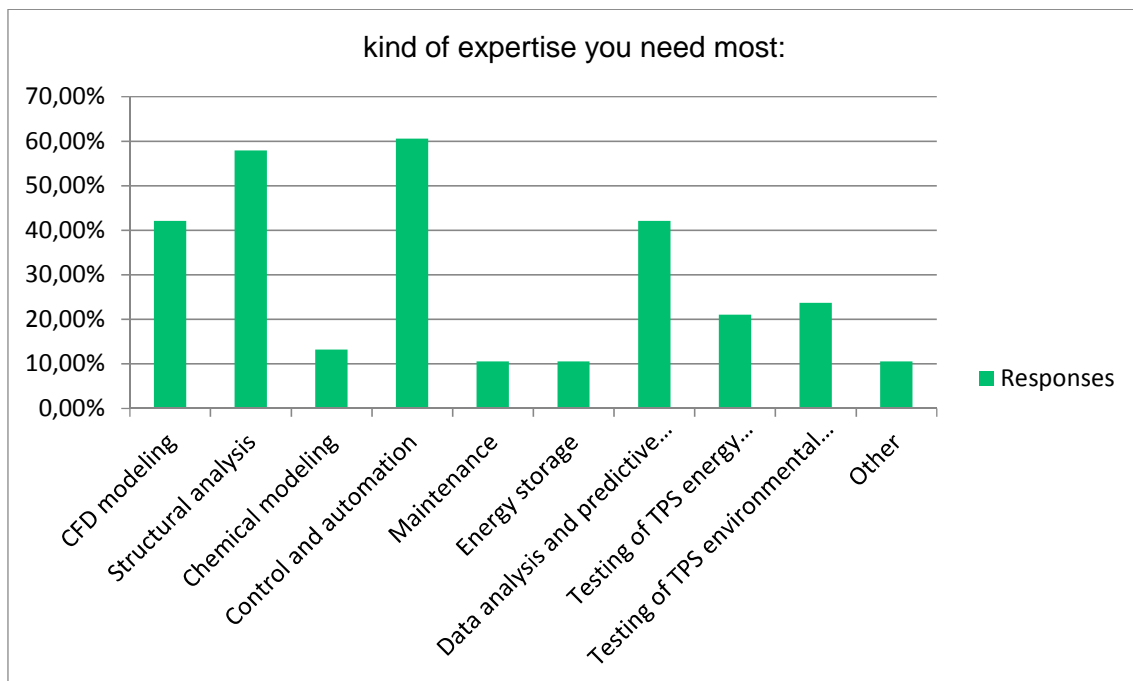
Please specify the kind of application if you selected ICE or other conversion technologies:



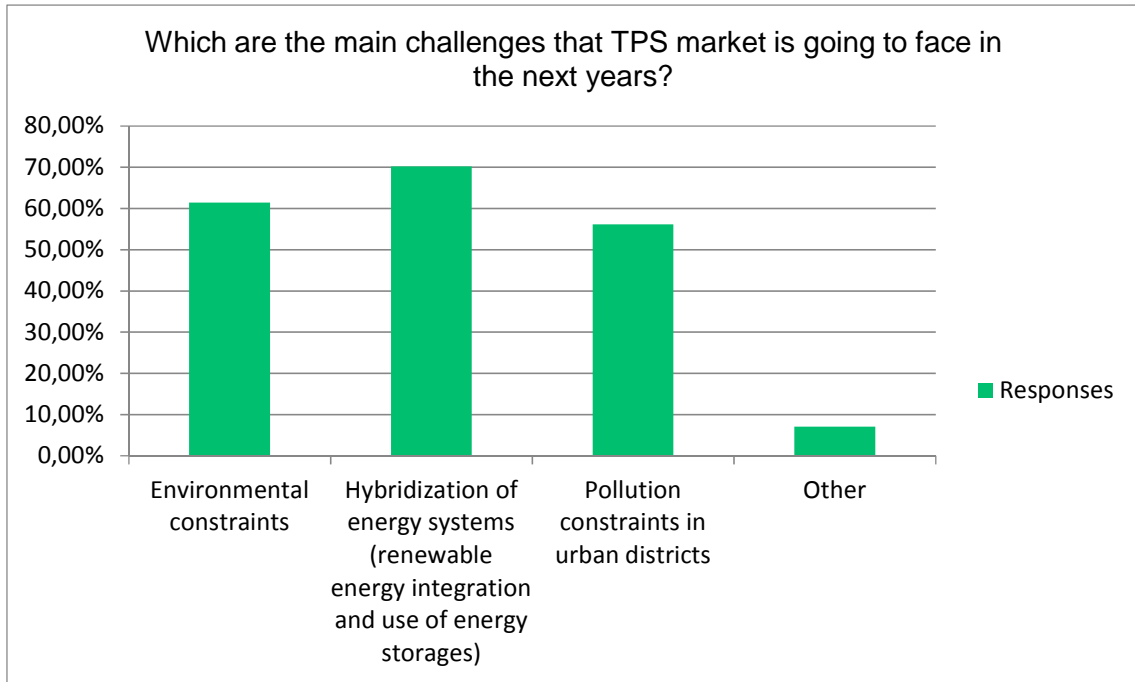
Please specify the energy source if you selected ICE or other conversion technologies:



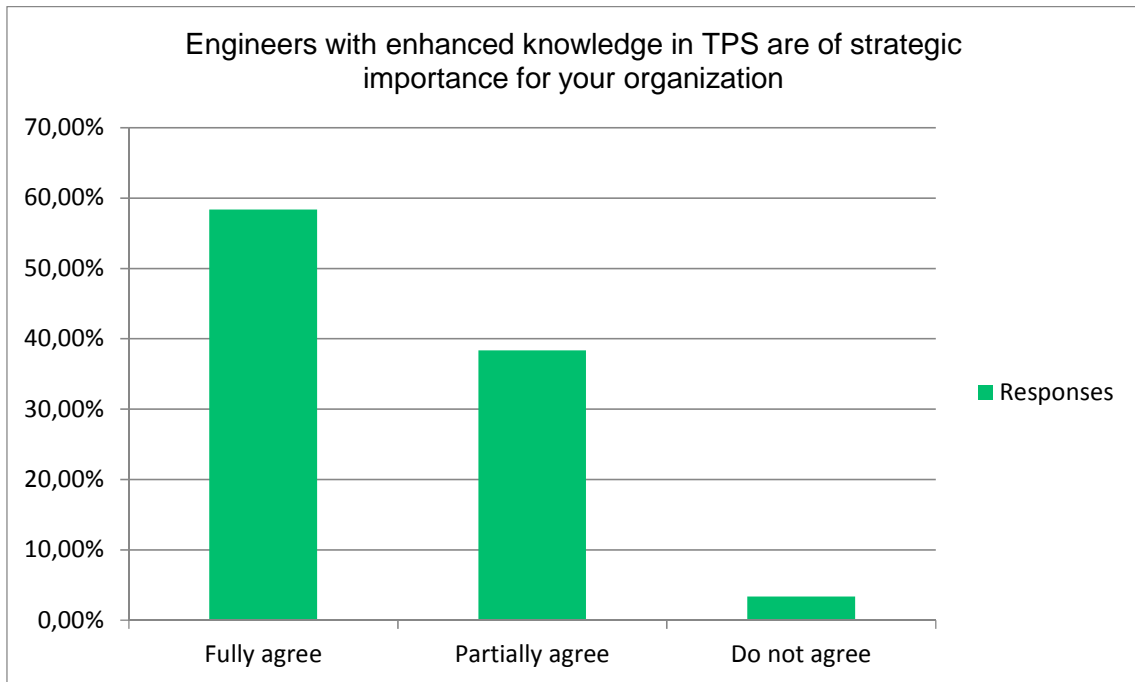
Please specify the kind of expertise you need most, if you selected ICE or other conversion technologies:



Which are the main challenges that TPS market is going to face in the next years?



Engineers with enhanced knowledge in TPS are of strategic importance for your organization:



Engineers with enhanced knowledge in TPS are of strategic importance for our society:

