



## National and Europeanwide demand analysis for Project „EUROIng.“

### I. Relations to universities and contents of studies

1. Do you have contact to one or more of the following universities\*?

(\*local universities in each country to be added or to be replaced!)

- RWTH Aachen
- FH Aalen
- TU Clausthal
- Universität Duisburg-Essen
- TU Bergakademie Freiberg
- Universität Magdeburg
- FH München
- Others:

2. On which areas do you cooperate with the universities?

- Research and Development
- Performance of traineeships
- Seminar papers / diploma thesis
- Others:

3. How do you assess the practical orientation of the studies?

- practical related                       remote practical reference

4. Please rate the major fields of the study

	Very import.	Import.	Less import.
<b>Practical related education</b> (Practical courses)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Natural sciences</b> (Mathematics, Physics, Chemistry)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Technical basics</b> (Mechanics, Thermodynamics)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Construction/ Shaping of castings</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Information- and Communication technology</b> (CAx-Techniques)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Metallurgy/ Melting- and Casting technology</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Casting materials / Testing of materials</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Moulding sands / Moulding processes</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	Very import.	Import.	Less import.		
<b>Design of foundry processes</b> (Market, Company, Location)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Business economics</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Social competence</b> (Teambuilding, Communication ability, Motivation ability)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Language competence</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## II. Qualification of the engineers and labour market situation

6. How do you rate the qualification of the junior engineers?  
 low     medium     high     very high
7. How do you estimate the demand of engineers for the branch?  
 low     medium     high
8. How do you estimate the availability of engineers?  
 easy     medium     difficult
9. Do you have momentary the intention to hire an engineer?  
 Yes     No
10. Have you hired an engineer during the last twelve months?  
 Yes     No
11. What kind of methods have been used for recruitment? Multiple answers possible
  - Advertisement in branch related journals or newspapers
  - job centres on the internet
  - internal advertisement
  - contacts to universities / diplomands
12. How much time has been spent for the search?
  - less than one month
  - 1 – 6 months
  - 6 – 12 months
  - more than 12 months



13. How much interviews have been made until final decision?
- 1 – 5
  - 5 – 10
  - 10 - 15
  - more than 15
14. Have you looked after an engineer from abroad?
- Yes  No
15. Have you already hired an engineer from abroad?
- Yes  No
16. What do you think in which areas a foreign engineer should be qualified additionally in order to pick up a leading function in a foundry?
- Knowledge about the national language / communication
  - Awareness about cultural distinctions
  - Branch related specialised knowledge
  - Business economics
  - Leadership and social competence
  - Others:

**III. Information about the labour structure in your company**

17. What is the age structure in your company (in %) ?

25 - < 35 %

35 - < 45 %

45 - < 55 %

55 - < 65 %

18. What is the average age in your company?

Years



19. Do you have developed a job description or a job profile for engineers?

- Yes  No

20. If the answer is yes, how often the description will be updated?

- annually  every two years  > 2 years

21. Who updates the descriptions?

- Human Resources  Department chief  Management

22. Are advanced training courses being offered regularly?

- Yes  No

**Many thanks for taking time to answer our questionnaire. Surely we will treat your information strictly confidential and anonymously.**