



The competitive ability of medium-sized companies is to an ever-increasing extent dependent upon how quickly they adapt to the dynamic changes in the global situation. The technological structural changes and simultaneously increasing difficulties encountered in the search for expert staff presents a challenge that is hard to cope with. A future-oriented networking of the players in the Elbe-Weser Region offers the chance to meet this structural change positively.

This is where the initiators' ideas comes into play:

Through being linked within a competence network in the key technologies of mechatronics, each individual company is strengthened in terms of its own position on the market and supported enormously in the matter of cost reduction.

A platform for service, purchasing, training and development

Seize the opportunity to be involved right from the very beginning! Contact us!

The targets

- The setting up and sustainable usage of a company-oriented competence network of mechatronics with inter-disciplinary cooperation on a regional plane
- The provision of a platform for the optimisation of the deployment of the available staff in their core competences
- The possibility of cooperating in other disciplines, in order to reduce third party costs and thus generate financial resources for increasing investments in innovate projects
- The common exploitation of future-oriented areas of business and cooperation with new partners
- The conclusion of cooperation agreements for innovations, should one's own performance capability not be sufficient to realise these independently
- The expansion of the common portfolio and thus a greater degree of flexibility
- Cooperation, e.g. in the field of maintenance or in purchasing

Your chances in the network:

- Participation in a service-alliance between the companies
- Formation of a pool for the common exploitation of devices, resources, laboratory facilities, etc.
- Cooperative support in training and further education
- Common research and development in the context of joint projects
- Exchange of know-how using the services of the network, e.g. science platform/intranet and programmes that make an entrepreneurial value-added possible
- ...

Mechatronics Engineers – interdisciplinary all-rounders

- Machine construction
- Electrotechnology
- Informatics

The Network Project

In the context of this project, "hochschule 21" (*University 21*) regards itself as the partner of and provider of services to trade and industry – inter alia for the sponsorship of project concepts of the individual partners.

Out of the existing wealth of know-how on-the-spot (BBS, hochschule 21, KMU), it is intended that best practice approaches to solutions for unanswered problems or questions raised by the partners from industry should be found.

Bi- and multilingual projects between the network partners are conceivable. Hochschule 21 thereby also attends to project applications and sponsorship programmes through to the approved sponsored project, if this is advocated by the network partners.

Exemplary subjects from daily practice:

- Further development of surveillance technology with camera systems in the production process with the aim of increasing productivity.
- Development of "intelligent" systems for the compensation of oscillations of driving and machine systems in order to guarantee as smooth a running as possible and thus avoid dynamic material fractures.
- Development of sensor technology for the detection of wear and tear or material loss at certain critical points.

The following are involved in the development of the network project:

- **Vocational schools (BBS) of Buxtehude**
- **hochschule 21 gGmbH, Buxtehude (non-profit-making company)**
- **miprotek GmbH, Gesellschaft für Automatisierungssysteme (Company specialising in automation systems)**
- **Landkreis Stade (District)**
- **City of Buxtehude**
- **Transferzentrum (*Transfer Centre*) Elbe-Weser**
- **Wirtschaftsförderung Landkreis Stade GmbH (Business Development in the District of Stade GmbH)**

COMPETENCE NETWORK MECHATRONICS 21

Maintenance, Informatics, Plant construction, Process control, Software, Automation, Machine Construction, Electro-technology

Contact:

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