

ICM Institut Chemnitzer Maschinen- und Anlagenbau e.V.

Prozess- und Projektmanagement



Institut Chemnitzer
Maschinen- und Anlagenbau e.V.

GENERAL INFORMATION

Managing director, head of organisation	Dr.-Ing. habil. Heidrun Steinbach, Dr.-Ing. Sebastian Ortmann	
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URL	http://www.icm-chemnitz.de	
Year of foundation	1992	
Type of organisation	research organisation	
Aim/role with respect to the transfer process	Netzwerkarbeit; Kooperation, überwiegend mit KMU; FuE im Verbund; Transfer der Ergebnisse in die wirksame Praxis zu Vorteil der teilnehmenden Unternehmen; Innovation in Produkten, Prozessen und Organisation; Begleitung von der erten Idee bis zur markt-reifen Umsetzung; realisierung von bran-chenübergreifenden Wissens- und Technolo-gietransfervorhaben	Networking; cooperation, mainly with SMEs; R&D in co-operation; transfer of the results into practice for the benefit oft he partici-pating companies; innovation in products, processes und organisation; support from the first idea to the marketable implementation; realisation of know-how and technology transfer projects across all industries and sectors
Main area with respect to the key topics	Maschinenbau und Anlagentechnik Innen-hochdruck-Umformung Elektromobilität, Me-dizintechnik Bahntechnik	mechanical engineering and plant construc-tion; hydroforming, E-Mobility, medical engi-neering, railway technology
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OFFERED TRANSFER ACTIVITIES

services in terms of the identification and description of innovative and economically applicable ideas

- identification of current research results in research institutions, universities (e.g. using technology scouting)
- foster scientists in the description of the exploitable idea, focussed on its application in enterprises
- technology assessment according to technical, legal and economical aspects, such as technology maturity level, patentability, standard conformity, necessary licensing procedures)
- determination of the potential technology users' (licensees) needs and requirements
- marketing of own research results of the institute

services in terms of the dissemination of innovative and economically applicable ideas

publication modes and media

- brokerage events (events bringing together developers and potential users)/ meetings introducing economically applicable research results: Mitgliederversammlungen, Hausmessen, BMWi-Roadshow
- annual report, product data sheets, flyers, trade fair offers

services to bring together parties that could be relevant for the application of new ideas and technologies

- implementation of meetings, workshops, conferences (e.g. for initiating and intensifying contacts between science and business, for discussing detail information about innovative ideas and technologies): z.B. im Rahmen des Kompetenzzentrums „Mittelstand 4.0“
- sub-sequential evaluation of discussions between technology suppliers (similar to licensors) and technology users (similar to licensees), such as finding out whether the partners can go on discussing the technology/ results independently or need additional support
- organisation of topic-specific workshops, fairs or similar activities in order to foster special ideas: In Kooperationsprojekten
- initiating and presenting/ moderating bilateral and subject-specific discussions held by technology suppliers and potential users

services in terms of the preparation of economic exploitation of an (innovative and economically applicable) idea/ technology

- contract research (e.g. initiating, bringing together the potentially exchanging parties, project management)
- research cooperation
- consulting on technical issues in order to support the final implementation of new technologies or processes in enterprises: (e.g. support for adapting new technologies to the existing equipment in the company)

- consulting to find out and make use of the resources required for the final implementation of new technologies or processes in enterprises (e.g. support in scouting out and canvassing of funding options for the implementation of new technologies in a company, support in the management of licensing procedures)
- spin-off creation by own organisation: considered in future plans

services in terms of collective advancement of innovative and economically applicable ideas resp. research fields

- initiation and implementation of tools that do not follow an institutional structure (networks, discussion groups, alliances, clusters)

geographical area of transfer activities and services

- regional; national; cross-border (PL ← → CZ; PL ← → GE; CZ ← → GE): e.g. cooperation network projects

TARGET GROUPS

kind of organisation

- predominantly organisations demanding for innovative ideas or new technologies

businesses of target groups

- Manufacturing

number of employees of target group organisation(s)

- < 10 ; 10 - 99; 100 - 499

REFERENCES

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| <ul style="list-style-type: none"> ▪ Übertragung des Knowhows auf dem Gebiet der Technologieentwicklung für die Mikrobearbeitung - Mikrotieflochbohren (Technologienehmer: ERMAFA Sondermaschinen und Anlagenbau GmbH) ▪ Übertragung des Knowhows auf dem Gebiet der Compound-Bauweise zur Herstellung von schwingungsarmen Gestellstrukturen für Sondermaschinen (Technologienehmer: TISORA Sondermaschinen GmbH) ▪ Übertragung von technologischem Prozess-Knowhow zum spanenden Trennen von Bleigussteilen innerhalb hochgetakter Produktionszyklen der Serienfertigung (Technologienehmer: MTH Metalltechnik Halsbrücke GmbH & Co KG) | <ul style="list-style-type: none"> ▪ Transfer of know how in the fields of technology development of micro machining - micro deep-hole drilling (technology importer: ERMAFA Sondermaschinen und Anlagenbau GmbH) ▪ Transfer of know how in the fields of compound construction for the production of low-vibration frame structures of special machines (technology importer: TISORA Sondermaschinen GmbH) ▪ Transfer of technological process know how for the machining of lead castings in rapid production cycles of series production (technology importer: MTH Metalltechnik Halsbrücke GmbH & Co KG) |
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