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Design Guidelines for Natural Fibre Reinforced Plastics

Starting in August 2006 M-Base is coordinating a new **research project**: „Development of Design Guidelines for Injection Molding and Compression Molding of Natural Fibre Reinforced Plastics“. The project is sponsored by the Agency of renewable Resources (Fachagentur Nachwachsende Rohstoffe e.V.).

As an extension of the project **N-FibreBase**, which dealt with the provision of qualified material data, M-Base will now, in cooperation with several partners from industry and universities, develop **design tools** for natural fibre and wood reinforced plastics.

The results will be design guidelines, design catalogues, formularies and other systematic instructions.

During the project a broad evaluation of existing design knowledge will be carried out between qualified designers in the relevant industrial branches. The offer is to systematically capture and evaluate existing design knowledge.

The trade-off for participating companies will be well structured, systematical documentations of existing design methods, procedures and internal **design know-how**. Based on these results future design decisions can be improved and become independent from individual persons.

In order to present the project contents, to discuss the procedure with qualified specialists and introduce the planned methodology for knowledge acquisition, several **workshops** are planned.

Companies, who are interested in this project and/or want to participate in the workshops, may request more information from M-Base.

The partners in this project are:

- M-Base Engineering + Software GmbH
- Faserinstitut Bremen (FIBRE)
- Institut für Polymerwerkstoffe und Kunststofftechnik an der TU Clausthal (PuK)
- Faurecia Innenraumssysteme GmbH, Hagenbach

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