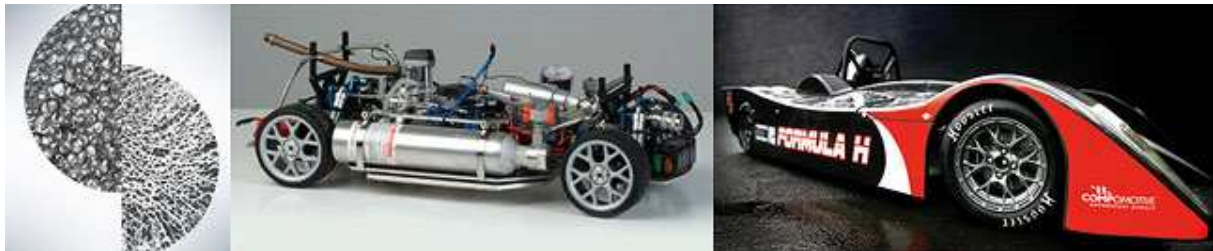


# PRIVAT INSTITUT für Technik und Design e.V.

Committed to research and teaching – aimed at the economy



PRIVAT-INSTITUT für Technik und Design e.V.



## The ITD

is a scientific institution for the advancement of technology and design and their teachings within the direct surroundings of universities, the city and region of Ingolstadt.

## How

- implementing and partaking in development, design and integrated projects
- advancement and support of research and development projects
- planning and executing presentations, events and conventions
- working together with charitable corporations, unions and organisations, public-law agencies, free market economy
- providing tangible means and donations for tax-deductible purposes of the University of Applied sciences Ingolstadt

## Fields of activity

- originating in the field of finite element analysis, structural mechanics and CAD-construction
- implementation of dynamical material testing at variable strain rate for external clients at the institute
- development of cellular materials within the project Anthrocells
- invention of the construction material CMA (Core Metal Alloy) and applied research in the field of core metal alloys (since 2010)
- invention of the first hydrogen-model car HyRacer (2004 – 2007) in co-operation with BMW & Graupner
- light-weight construction projects, new construction materials, special solutions, safety concepts, shelling
- invention and construction of the formula H racing car with a hydrogen internal combustion engine (2008 – 2010)
- Hydra Wellnitz Racing – development of a hydrogen powered racing car (seit 2010)

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