![SICOS logo]

# Technology transfer to SMEs in High Performance Computing and Big Data

### Our services

Our mission is to support companies, especially small and medium sized enterprises (SMEs) in their access to the best resources in High Performance Computing (HPC) and the uptake of Smart Data Technology.

### Your excellent partner for all industries

SICOS BW is a neutral partner and, based on our extensive network, able to provide support in all industry fields. Confidentiality and neutrality have highest priority at SICOS BW. Our offering is free to SMEs.

### Focus on the future

The main goal of SICOS BW is to enable SMEs to use new technology and optimise their value chain and improve their competitiveness.

### Our Partners

Baden-Württemberg
MINISTERIUM FÜR WISSENSCHAFT, FORSCHUNG UND KUNST

KIT
Karlsruhe Institute of Technology

University of Stuttgart
Germany

SCC
Steinbuch Centre for Computing

HLRS

## An HPC Success Story

**Company:** M.A.R.K.13 located in Stuttgart, 45 employees including freelancers

**Industry:** Film production; animation

**Challenges:** Time critical computation of about 115.000 stereo images for the 3D movie „Maya the Bee" and work flow integration of an HPC system

**Goal:** Optimisation of the rendering process

**Solution:** Use the compute capacities and competencies of the HPC Center Stuttgart (HLRS)

**Benefit:** Better results in shorter time frames and improved flexibility

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## Creating Big Data Success Stories

SICOS BW is one of the initiators of the Smart Data Solution Center Baden-Württemberg (SDSC BW). Together with the Big Data experts of our shareholder KIT we support SMEs in the uptake of the Big and Smart Data Technology. With these SMEs we carry out pilot projects that allow them to understand this technology.

## Partner in the European Project FORTISSIMO

SICOS BW is the link between its High Perfomance Computing Center shareholders and SMEs with HPC needs. In the Fortissimo project we partner with the leading HPC centers in Europe as well as with experts and end users. Together we develop new offerings to provide better HPC services for SMEs.

## Contact Person



Dr. Andreas Wierse, Managing Director of SICOS BW GmbH

## Our Motivation

SICOS BW was founded to support small and medium sized enterprises (SMEs) in the uptake of high-performance computing and Big and Smart Data Technology. We are putting a lot of emphasis on explaining the advantages of using these technologies, providing best practices and success stories and improving the SME's knowledge of HPC and Big/Smart Data.

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