SERVICES FOR SINGAPOREAN PARTNERS

• Strengthen your international network with the help of partner enterprises, Software-Cluster research institutions and network
• Acquire knowledge and be at the cutting edge of the latest trends
• Gain visibility in Germany and beyond: Become a project or networking partner
• Access to cutting-edge smart factory testing facilities in the Software-Cluster
• Access knowledge and expertise: Transform these into enterprise roadmaps or national programmes

SERVICES FOR GERMAN PARTNERS

• Facilitate German-Singaporean cooperation in the field of Industry 4.0
• Support to Software-Cluster members to find R&D partners in Singapore
• Organize events and delegation trips to Singapore
• Identify funding opportunities for R&D projects
• Provide information on R&D, markets and innovation through reports on the Singaporean innovation system and trends in smart digital services for Industry 4.0
• Provide news through the SCIKE website and newsletters

SOFTWARE-CLUSTER: EUROPE’S SILICON VALLEY FOR ENTERPRISE SOFTWARE

• Germany’s #1 software region
• Birthplace of enterprise software
• The highest turnover in European software clusters: €25bn annual turnover
• 11,000+ software companies with 134,000 employees in the region
• Leading-edge cluster acknowledged by the German Federal Government
• Software-Cluster cities Karlsruhe and Darmstadt are among the Top 10 European ICT hubs
• Software industry ecosystem at eye-level with London and Paris
• Headquarters of SAP SE and Software AG: Europe’s largest and 4th largest software companies
• Prestigious computer science faculties and research institutions such as the Fraunhofer Institutes, the German Research Centre for Artificial Intelligence and Technische Universität Darmstadt
• Innovation Leader: concepts such as "Industry 4.0" (Industrial Internet) or “Smart Services” originate from the Software-Cluster

SCIKE PROJECT: INNOVATION THROUGH INTERNATIONALIZATION

The German Federal Ministry of Education and Research funds the SCIKE project through the internationalization of the Leading-Edge Clusters funding program. The aim of SCIKE is to enable cooperation between the Software-Cluster and Singapore focusing on smart digital services for Industry 4.0 using a highly mobile IT infrastructure.
Industry 4.0 (I4.0) as a main revolutionary driver for ICT in manufacturing, combines Cyber-Physical Systems (CPS) and the Internet of Things (IoT) to allow new and innovative ways to connect resources, processes and networks. Catching up with the ever growing trend of mobile solutions, mobility will also play a fundamental role in the I4.0 enabled workplace of the future ever growing trend of mobile solutions, mobility will also play a fundamental role in the I4.0 enabled workplace of the future ever growing trend of mobile solutions, mobility will also play a fundamental role in the I4.0 enabled workplace of

Germany is the centre of future-oriented applied research with specific expertise in Industry 4.0, Smart Services, Digital Economy and Intelligent Mobility. Within only a few years’ time, the term Industry 4.0 which originated from the Software-Cluster, has developed to an international brand.

As a world leader in industrial production Germany has one of the world’s most competitive and innovative manufacturing industry sectors. Germany is the centre of future-oriented applied research with specific expertise in Industry 4.0, Smart Services, Digital Economy and Intelligent Mobility. Within only a few years’ time, the term Industry 4.0 which originated from the Software-Cluster, has developed to an international brand. 

The SCIKE Singapore project combines the advantages of I4.0 solutions “Made in Germany” with a highly innovative ecosystem and sophisticated mobile IT infrastructure in Singapore.

SCIKE-SINGAPORE@PINPOINT

A case study of German-Singaporean Cooperation

**Project**

SCIKE-Singapore@PINPOINT

**Duration**

3.5 years 2016 – 2019

**Funding**

The Federal Ministry of Education and Research

**Objectives**

Investigate, research and deliver new solutions for an ecosystem of mobile smart services that are able to analyze, pre-/post-process. Provide value-added services for advanced technical documentation with predictive maintenance tasks based on new IoT-enabled mobile platforms.

**Result**

Industrial solution for advanced predictive maintenance in production and training

**MOTIVATION**

SCIKE Singapore project combines the advantages of I4.0 solutions “Made in Germany” with a highly innovative ecosystem and sophisticated mobile IT infrastructure in Singapore.

**GERMAN PROJECT PARTNERS**

CAS Merlin is a SmartCompany of CAS Software AG and offers the CAS Configurator Merlin to quickly and cost-efficiently manage and customize complex products and sales processes. [www.cas.de](http://www.cas.de)

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Invenio is an engineering company in a strategic position with four business segments: mechanical and electronic development, rapid prototyping and industrialization, software solutions, consulting. [www.invenio.net](http://www.invenio.net)

Software AG offers the first end-to-end digital business platform to help customers build their digital futures today. [www.softwareag.com](http://www.softwareag.com)

SINGAPOREAN PROJECT PARTNERS

LDR – Discovery Redefined designs experiences via walking trails, gamifications and rewards, with location and image based triggers. It has its base in the education and training space, with master contracts at MOE and MINDEF. [www.idrtech.sg](http://www.idrtech.sg)

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Technische Universität Darmstadt (TU Darmstadt) addresses the urgent issues of the future with outstanding research, teaching and technology transfer. [www.tu-darmstadt.de](http://www.tu-darmstadt.de)

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