



Rijksdienst voor Ondernemend
Nederland

Program Dutch Delegation "Secure and Digital Industry"

9-12 October 2018

Do you want to do business in Germany, expand existing contacts or start innovation cooperation? Then join the economic mission to Rhineland-Palatinate and Saarland from 9 to 12 October with the Minister for Foreign Trade and Development Cooperation, Sigrid Kaag.

This economic delegation runs parallel to the working visit of His Majesty King Willem-Alexander and Her Majesty Queen Máxima to these German Bundesländer. The King and Queen are present at a number of programme components of the economic delegation.

DAY 1 – TUESDAY 9 OCTOBER: Travelling, Briefing and informal Get-Together

17:00 Delegation Briefing in Saarbrücken

19:00 Delegation Dinner in Saarbrücken

DAY 2 – WEDNESDAY 10 OCTOBER: Get inspired by German developments

8:00 Bus Transfer to Kaiserslautern

09:00 Visit to [Fraunhofer-Institut für Experimentelles Software Engineering IESE](#)

Software is at the core of innovative systems and sustainably ensures the future of our society and our economy. Fraunhofer IESE in Kaiserslautern is a research institute in the field of software and system development methods and has about 250 employees. The range extends from automotive and transport systems, automation and plant construction, energy management, information systems to software systems for the public sector.

- Welcome by Dr. Joe Weingarten, Abteilungsleiter Innovation, Ministerium für Wirtschaft, Verkehr, Landwirtschaft und Weinbau
- Welcome by Prof. Dr. Rombach, Fraunhofer IESE
- Presentations and Showcases Fraunhofer IESE
 - o The role of software for Smart Industry: open source solutions, safety & security and Big Data
 - o BaSys 4.0: open-source middleware for Industrie 4.0

10:00 Coffee Break and Transfer to Smart Factory Kaiserslautern



Rijksdienst voor Ondernemend
Nederland

10:30 Visit to [Smart Factory Kaiserslautern](#)

SmartFactoryKL is a network of more than 45 member organizations from industry and research. These partners perform research and development projects related to Industrie 4.0 and the factory of the future. Global competition, ever shorter innovation and product life cycles, growing demand for customized products – under these conditions, to remain competitive as a center of manufacturing, our factory systems must be flexible and convertible. The work ranges from developing their vision and preparing descriptions all the way to industrial implementation. The centerpiece of SmartFactoryKL's work is the manufacturer-independent demonstrator and research platform – unique in the world, the Industrie 4.0 production plant created by the SmartFactoryKL partner consortium.

- Introduction
- Tour and Demonstration of Smart Factory Kaiserslautern
- Expert meeting with partners of SmartFactoryKL

12:15 Transfer to [Business Incubation Centre](#)

*Location: BIC KL - Business + Innovation Center Kaiserslautern GmbH,
Trippstadter Str. 110, Kaiserslautern*

12:30 Informal Business Lunch with pitches from innovative companies

- o Opening by Dr. Stefan Weiler, director BIC GmbH
- o Prof. Dr. Arnd Poetzsch-Heffter /Dr. Stefan Löhrike, Vizepräsidenten der Universität Kaiserslautern
- o Pitches from 3 companies from Germany and The Netherlands (TBC)
- o Fingerfood and networking

14:00 Transfer to Wipotec

14:30 Company Visit [Wipotec GmbH](#)

Wipotec - a typical German family-owned company with over 750 employees - develops and produces unique machine solutions and technologies for OEM and end customers from a wide range of industries at their headquarters in Kaiserslautern. The WIPOTEC Group is a leading global provider of intelligent weighing and inspection technology. Wipotec's integrated solutions come from "a single source" and extend along the entire value creation chain from hardware and software development to in-house production with a level of vertical integration exceeding 85% and after-sales service.

16:15 Bus Transfer to Trier.

18:00 Walk in and reception Trade Dinner in Trier



**Rijksdienst voor Ondernemend
Nederland**

20:00 Trade Dinner in Trier

The Trade Dinner is a networking dinner for the economic delegation and their German business relations. The Trade Dinner is offered by Minister of Foreign Trade Sigrid Kaag.

22:00 Transfer to Saarbrücken



Rijksdienst voor Ondernemend
Nederland

DAY 3 – THURSDAY 11 OCTOBER – Interaction, Networking and Matchmaking

08:30 Bus Transfer to Campus

09:00 Visit to [A.W. Scheer Institute](#)

Theme: Business Models for a Smart and Digital Industry

The AWS Institute for Digital Products and Processes (AWSi) was founded in 2014 with the aim of promoting innovation and application-oriented research transfer at an international level. The institute focuses on the gradual and disruptive digitization of economy and society. As an independent research institute, AWS Institute works on developing new technologies and thinking ahead with business models.

10:00 Walk to Campus Saarbrücken - Aula

10:00 Registration open

Plenary Programm Location: Aula

10:30 Plenary Sessions 1

- Welcome and Setting the Scene: Introduction to the Dutch Delegation and Smart Industry in The Netherlands (20m). Prof. Dr. Egbert Jan Sol.
- Smart Industry through Artificial Intelligence by [Deutsche Forschungszentrum für Kunstliche Intelligenz \(DFKI\)](#). *The DFKI is Germany's leading research institution in the field of innovative software technologies based on artificial intelligence methods. The DFKI is the most important research institute dealing with AI. Not only in Germany: it is the largest AI research institute in the world, measured by turnover and number of researchers. The DFKI is involved in numerous committees for Germany as a science and technology location. Currently about 540 highly qualified scientists, administrative staff and more than 400 student employees from more than 60 nations are working on about 240 research projects.*
- Secure Industry through Cybersecurity by [Center for IT Security, Privacy and Accountability \(CISPA\)](#). *The Center for IT-Security, Privacy and Accountability, also short CISPA, is a national, BMBF-funded competence center for IT security research. CISPA will have the critical mass of researchers (500+) to provide a comprehensive, holistic treatment of the pressing grand cybersecurity and privacy research challenges that our society faces in the age of digitalization. Thematically, CISPA strives to cover the full spectrum from theory to empirical research.*

12:00 Interactive Networking Lunch



- 13:00 Plenary Sessions 2
- Empowered Industries with Arbeit 4.0
Digitization of the production chain, new business models, artificial intelligence and the (partial?) substitution of human labour by robots and associated changes in the skills of employees potentially have major social consequences. These should be addressed. The demands placed on companies and employees are changing rapidly. Human-focused technologies' are being developed in this context. These can ensure that workers remain employable in the long term. What is crucial here is the cooperation of people and technology, in which smart technology supports people physically and cognitively. Examples are technologies that physically and cognitively support people, such as collaborative robots (cobots) and operator support systems.
 - Connected Industries through Common Standards
If data is exchanged between a large number of parties in the chain, standardisation in communication technology and communication protocols is essential. There are no widely supported standards yet, but they are being worked on in Germany, so far in cooperation with France and Italy. Because of the strong correlation between Dutch and German industry in the value chain, it is important that German and Dutch parties work together on these standards. Issues such as International Data Space, RAMI and the possibilities of Blockchain standards for reliable transactions throughout the production and value chain are discussed in this workshop. From 'ÜberProducer' to 'OpenProducer'.
- 14:00 Coffee break
- 14:15 High Level Networking Event
- Introduction to Smart Industry – visit demos
 - Discussion with the participants of workshops and matchmaking along different themes
 - Signing MoU Smart Industry/Industrie 4.0 Germany and The Netherlands
 - Kickoff Matchmaking
- 15:20 Matchmaking for Industry, Academia and Research Institutes
Location: Aula
- 17:30 Closing Reception for all participants
- 18:15 Transfer to Hotel
- 19:00 Informal Business Diner for Dutch Delegations
Location: Saarbrücken
- 21:30 Transfer to Hotel
Location: Saarbrücken



Rijksdienst voor Ondernemend
Nederland

DAY 4 – FRIDAY 12 OCTOBER: Practical Smart Industry Applications

8:00 Bus Transfer to ZeMA

08:30 Visit to [Zentrum für Mechatronik und Automatisierungstechnik GmbH](#)
(ZeMA), Saarbrücken

The Zentrum für Mechatronik und Automatisierungstechnik is an industry-oriented development partner with the goal of industrialization and technology transfer of research and development results with regard to the digitalization of industry. Large installations of new processing technologies can be seen. ZeMA works closely with institutes and chairs of the University of Saarland (UdS) and the University of Applied Sciences (htw saar). This ensures that scientific potential, specific know-how and the latest research results flow synergetically and sustainably into the work of ZeMA.

10:15 Transfer to Homburg

11:00 Company Visit [Bosch Rexroth](#)

The Bosch Rexroth plant in Homburg is a leading German factory of networked machinery and products. The factory is the first Industry 4.0 line on-stream in daily production. At the Rexroth plant in Homburg, a new pilot assembly line which is integrated into the "Bosch Production System" (BPS), enables semi-automatic production of disc valves for tractors – in six basic types and over 200 variants. RFID and Bluetooth technology enable the machinery, the workpiece and the user to communicate with each other – for flexible and efficient production of customized products.

- Lunch
- Introduction
- Company Tour

14:00 Debriefing

Location: Bosch

14:30 End and transfer to The Netherlands