THERMAL SYSTEMS

Industry 4.0 Solutions
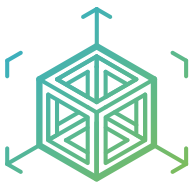## Rehm Thermal Systems

Smart solutions
for your production

Industry 4.0 Solutions from REHM
Integration and transparency in a smart factory

Digitised production processes and the communication of machines among each other facilitate the modern production and at the same time offer enormous transparency: The systems of Rehm Thermal Systems enable the data relevant to a safe and stable process to be communicated from machine to machine and across production lines. Efficiency, adaptation on demand and networking are keywords that characterise today's industry. A software-supported production allows the user to manage complex and variable processes clearly and to keep constant conditions.
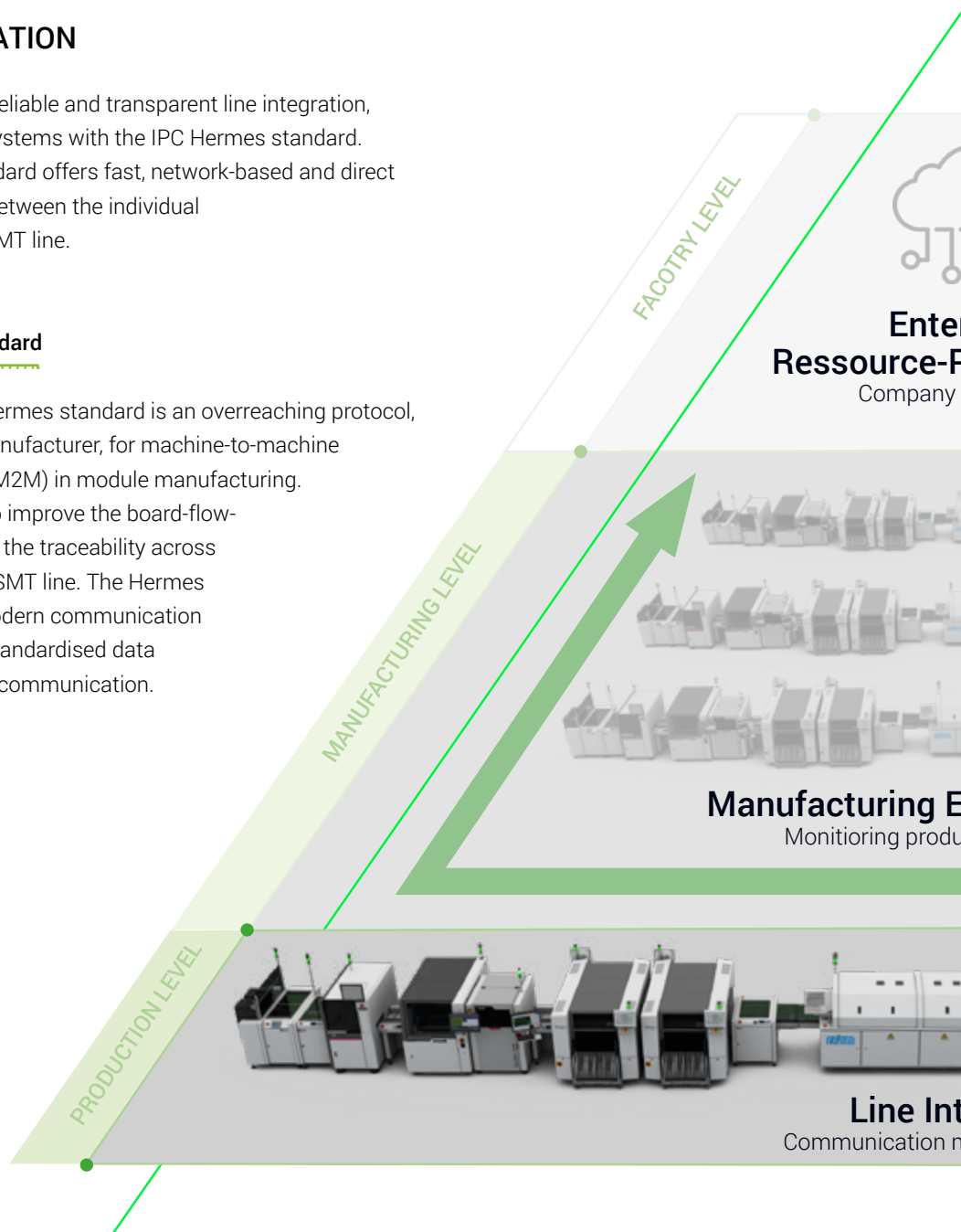
COMMUNICATION

For a simple, yet reliable and transparent line integration, Rehm offers its systems with the IPC Hermes standard. The Hermes standard offers fast, network-based and direct communication between the individual machines of an SMT line.

The Hermes Standard

The core of the Hermes standard is an overreaching protocol, irrespective of manufacturer, for machine-to-machine communication (M2M) in module manufacturing. The objective is to improve the board-flow-management and the traceability across all stations of an SMT line. The Hermes standard uses modern communication technology and standardised data formats for M2M communication.

FACOTRY LEVEL

MANUFACTURING LEVEL

PRODUCTION LEVEL

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Line Int
Communication n

CONNECTIVITY

With ViCON Connect, the ViCON App and the IPC-CFX standard, we guarantee you effective communication link across the SMT lines of your production. Thanks to the networking of the systems, you can keep an eye on the production at any time and be able to control and monitor processes without having delays in production.
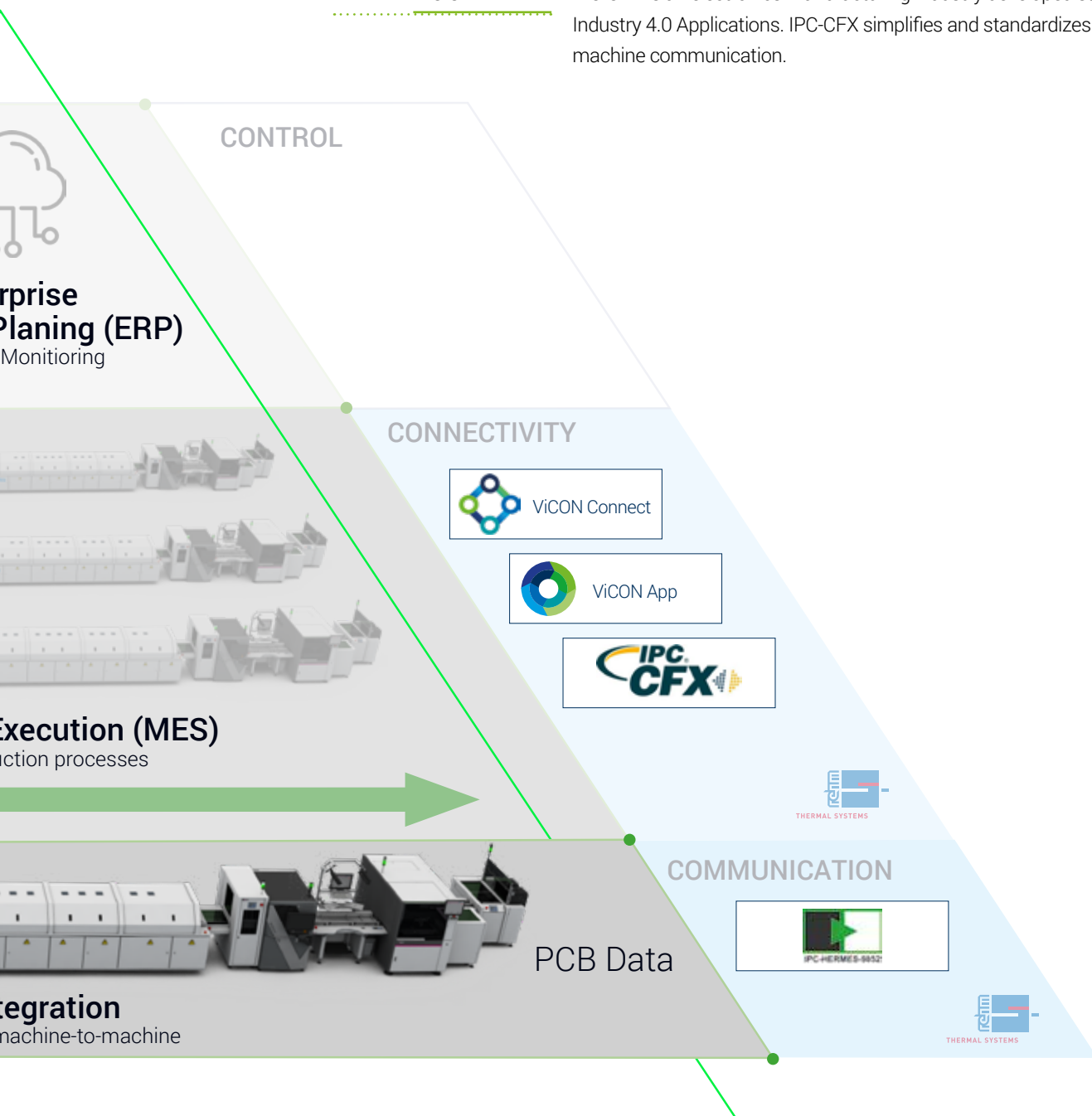
ViCON Connect
The ViCON Connect Tool offers you the convenience of an overview of the entire Rehm equipment from a remote workstation. Get access to selected functions of ViCON

ViCON App
The ViCON APP shows you the current operating status of the Rehm system as well as consumption data and possible warnings.

IPC CFX
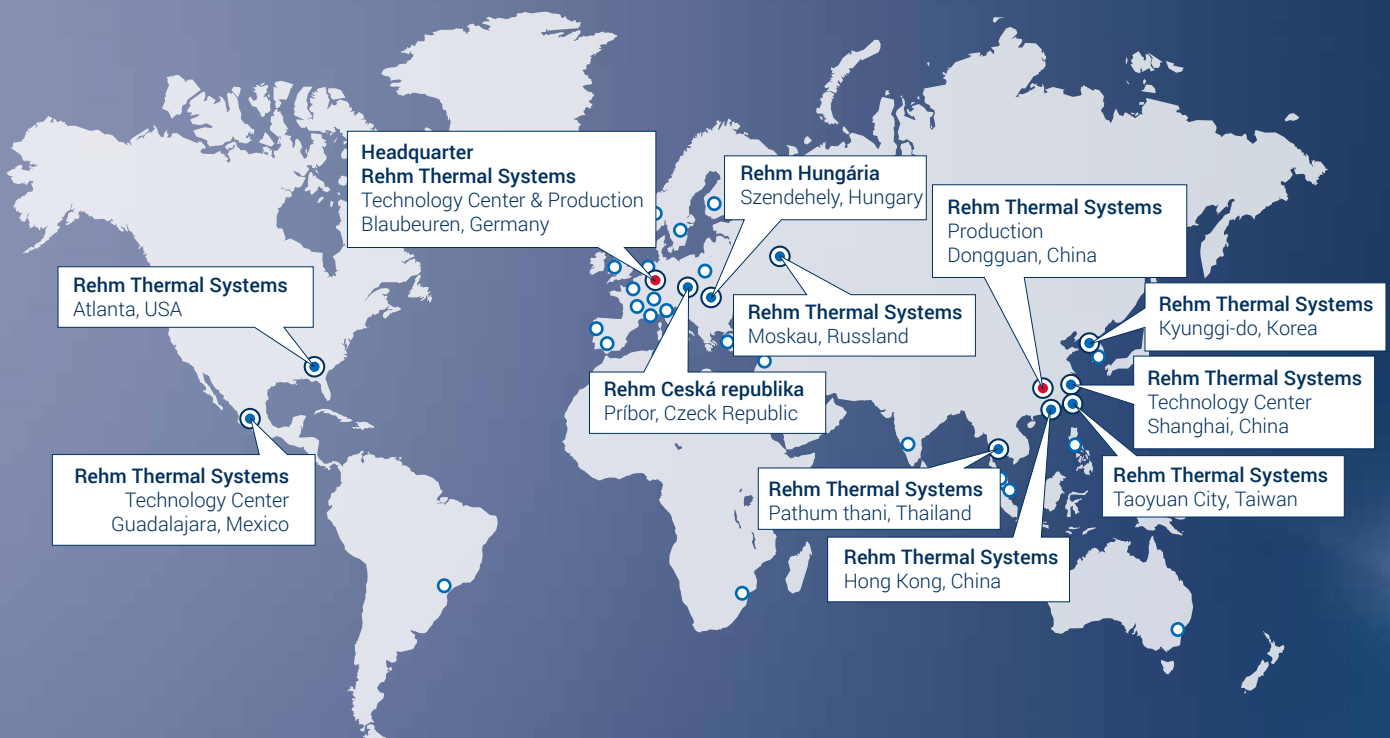IPC-CFX is an electronics manufacturing industry developed standard for Industry 4.0 Applications. IPC-CFX simplifies and standardizes machine-to-machine communication.

CONTROL

rprise
Planing (ERP)
Monitioring

CONNECTIVITY

ViCON Connect

ViCON App

IPC CFX

THERMAL SYSTEMS

Execution (MES)
uction processes

COMMUNICATION

IPC-HERMES-9852

PCB Data

THERMAL SYSTEMS

tegration
machine-to-machine

Headquarter
Rehm Thermal Systems
Technology Center & Production
Blaubeuren, Germany

Rehm Hungária
Szendehely, Hungary

Rehm Thermal Systems
Production
Dongguan, China

Rehm Thermal Systems
Atlanta, USA

Rehm Thermal Systems
Moskau, Russland

Rehm Thermal Systems
Kyunggi-do, Korea

Rehm Thermal Systems
Technology Center
Shanghai, China

Rehm Ceská republika
Príbor, Czeck Republic

Rehm Thermal Systems
Technology Center
Guadalajara, Mexico

Rehm Thermal Systems
Pathum thani, Thailand

Rehm Thermal Systems
Taoyuan City, Taiwan

Rehm Thermal Systems
Hong Kong, China

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Rehm Worldwide

As a leading manufacturer of innovative thermal system solutions we have customers on every continent. With our own locations in Europe, America and Asia as well as 27 agencies in 24 countries we are able to serve the international markets quickly and to offer outstanding on-site service – worldwide and round the clock!

○ Location
◉ Production facility
• Representation

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89143 Blaubeuren, Germany

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