



Technology in connectors

Designed to perform

WELCOME

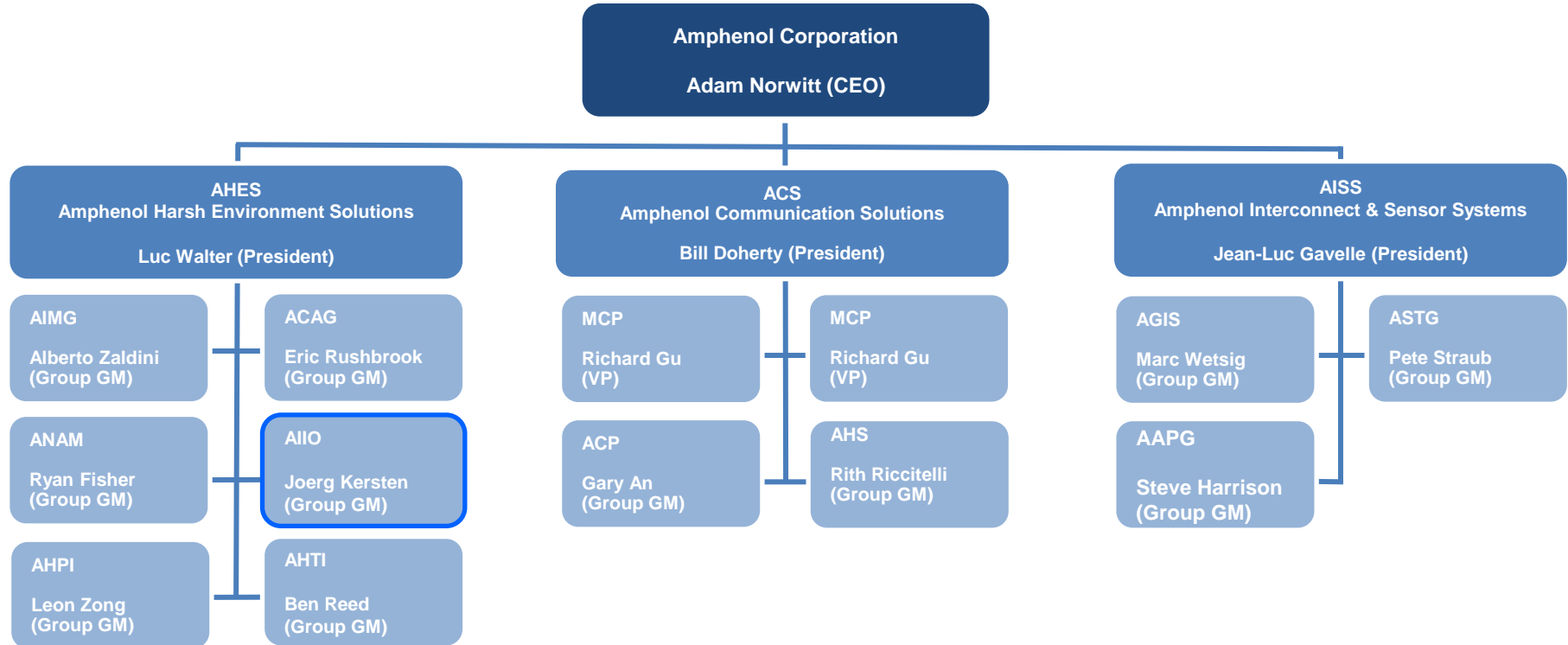


# CONEC GROUP

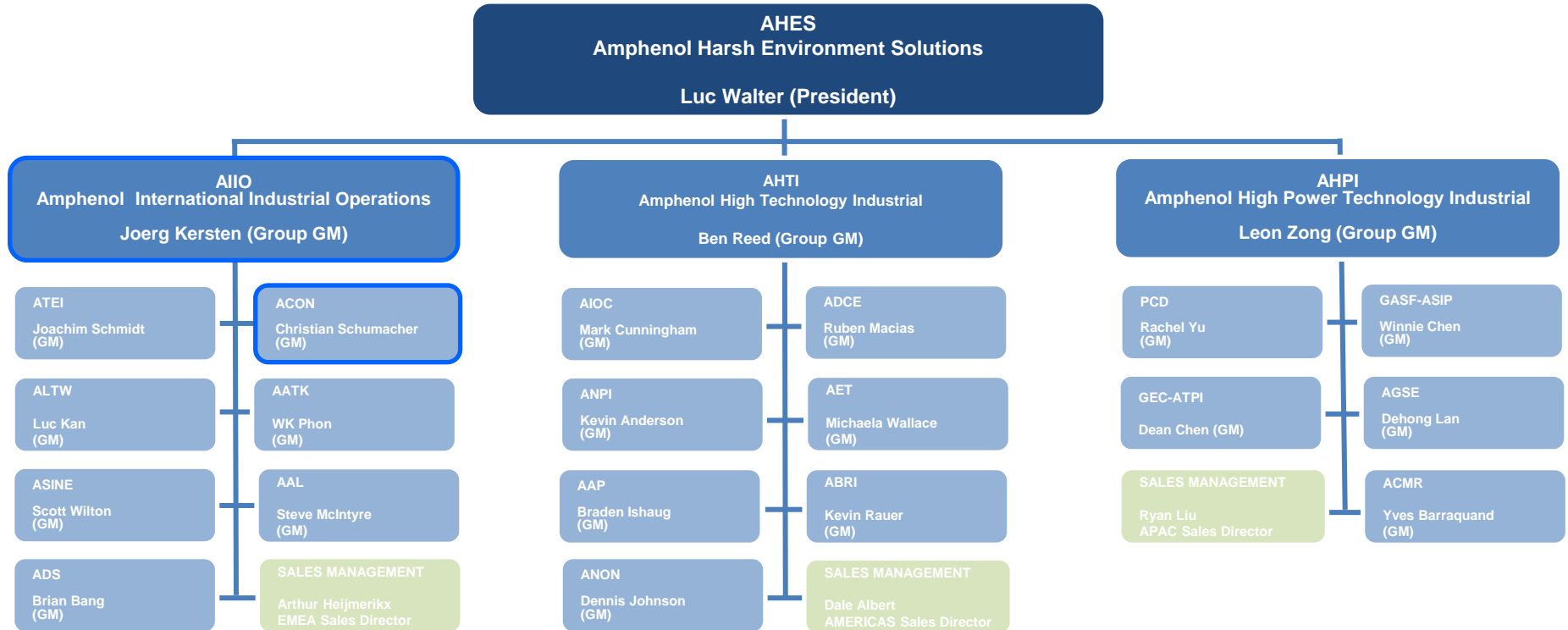
HEADQUARTERS:

CONEC Elektronische Bauelemente GmbH, Lippstadt, Deutschland

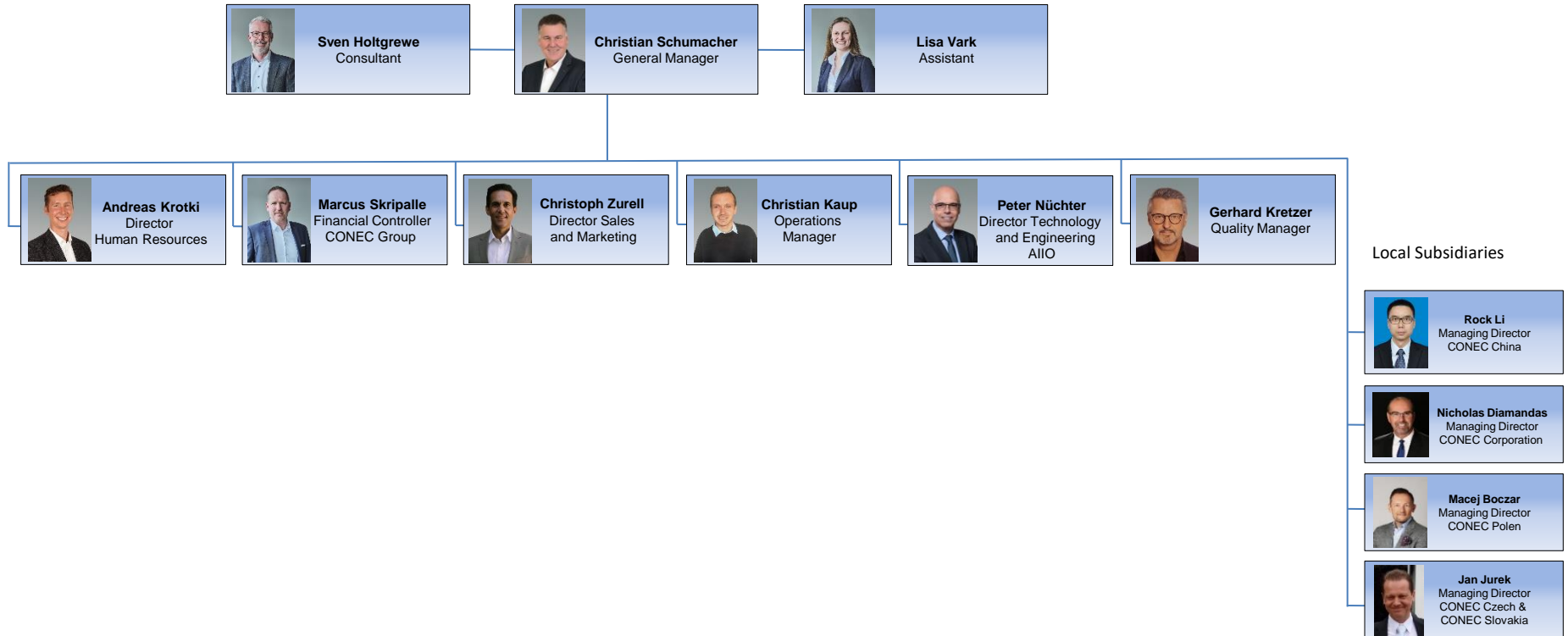
# Amphenol Corporation Division Structure



# Amphenol Harsh Environment Solutions (AHES) Structure - Industrial

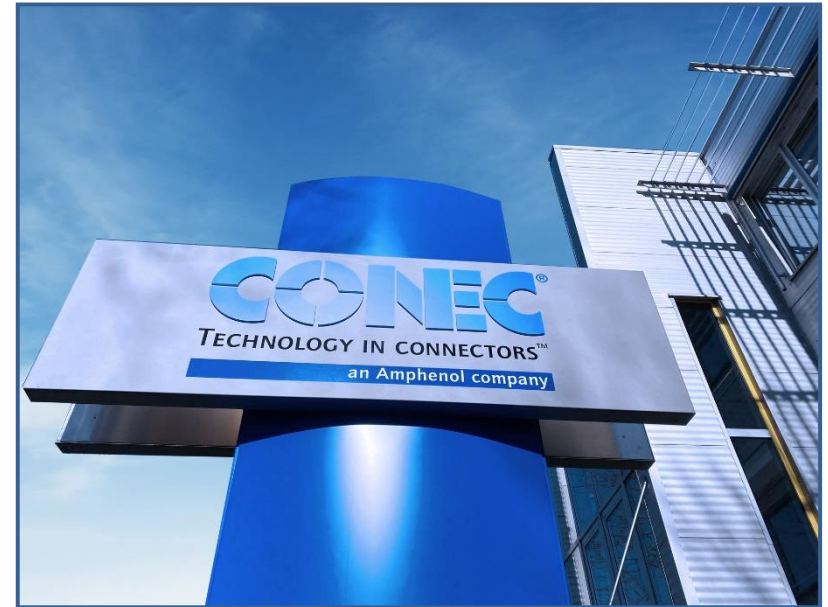


# CONEC Organisation



## The group CONEC at a glance

- 1978 Foundation of CONEC Elektronische Bauelemente GmbH
- Owner managed Company until 2019
- Since June 2019 part of the Amphenol Group
- Managing director Christian Schumacher
- Managing director Richard Adam Norwitt
- Managing director Craig Anthony Lampo
- Headquarters with research and development center in Germany
- Production centres in Germany, Czech Republic, Slovakia, Canada and Mexico
- Subsidiaries in Canada, China, Czech Republic and Poland
- More than 1,100 employees worldwide



# History



- 1978 - Founded in Lippstadt/Hörste
- 1980 - Start of production DIN EN 60603
- 1985 - Start of production D-SUB filter connectors
- 1990 - Establishment of CONEC Corporation, Canada
- 1996 - Establishment of CONEC s.r.o., Czech Republic
- 2000 - Establishment of CONEC Polska Sp. z o.o.
- 2005 - Development circular connectors
- 2006 - Establishment of CONEC (Shanghai) Int. Trading Co. Ltd., China
- 2011 - Expansion production area in Lippstadt by 2,500 m<sup>2</sup>
- 2016 - Development CONEC Hybrid connectors
- 2017 - Expansion production and office area in Lippstadt by 3,000 m<sup>2</sup>
- 2019 - CONEC becomes part of the Amphenol Group
- 2021 - Opening of the production site in Giraltovce, Slovakia
- 2023 - Opening of the production site in Nogales, Mexico

## Headquarters Lippstadt

### Global Research & Development Department

Production site of high-tech products like:

- Hybrid connectors
- Sensor Actor Line circular connectors
- Connectors for agricultural and construction machines
- Customized products



## Production sites Czech Republic & Slovakia



CONEC Slovakia



CONEC  
Czech Republic



## North America

### Proximity to customers

- Series production
- Customized products for North America
- Support and service of local market



CONEC Corporation, Canada



Production site Nogales, Mexico

## A Company View

### Competence in development and manufacturing



Synthetics injection molding plant



Operating resources



Turning machines

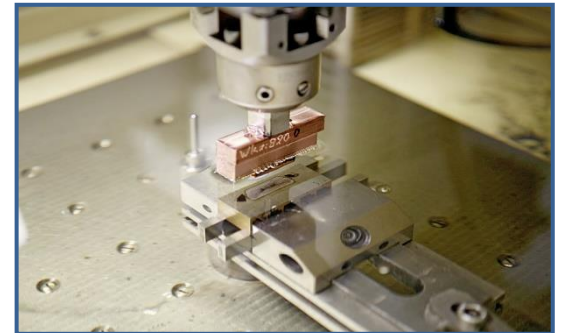


R&D & Sales

## A Company View

### In-house production depth

- Own tool manufacturing with modern equipment
- Wire eroding machine
- Trimming eroding machine
- CNC-Milling machine
- Vertical injection molding machinery



## Quality management, certificates and approvals

### CONEC works according to the Total Quality Management

- DIN EN ISO 9001 : 2015
- UL listed
- CSA certified



**Underwriters  
Laboratories**



## Global presence



Sales & Manufacturing Operations	Sales	Production
<b>HQ</b> , CONEC Elektronische Bauelemente GmbH, Germany	CONEC Corporation, Sales USA	CONEC Slovakia
CONEC Corporation, Canada	CONEC Polska Sp.z o.o.	CONEC Mexico
CONEC s.r.o., Czech Republic	CONEC (Shanghai) Int. Trading Co. Ltd., China	

## CONEC Representatives


 **Österreich**  
BURISCH ELEKTRONIK BAUTEILE GMBH

 **Belgien**  
AVNET EUROPE BV

 **Dänemark**  
ELTECH SOLUTIONS A/S

 **Finnland**  
YLEISELEKTRONIIKKA OYJ

 **Italien**  
ELSAP S.P.A.


 **Malaysia**  
OCTOGRAM TECH. PTE. LTD.  
FGT ASIA PTE. LTD


 **Spanien**  
T.C. COMPONENTES S.L.

 **Japan**  
GLOBAL ELECTRONICS


 **Israel**  
TRANSELECTRIC Y.A. LTD.

 **Brasilien**  
MERCANTILE COM. E REP. LTDA

 **Thailand**  
OCTOGRAM TECH, PTE. LTD.  
FGT ASIA PTE. LTD

 **Süd Korea**  
PANKO TRADING CO.  
MAHANI Electric CO. LTD.

 **Niederlande**  
INTRONICS BV

 **Großbritannien**  
IN2CONNECT LTD.  
JACAREM LTD.  
NORTHERN CONNECTORS  
LTD.  
MBS COMPONENTS  
LIMITED

 **Puerto Rico**  
RAM ELECTRONIC SALES INC.

 **Singapur**  
OCTOGRAM TECH, PTE. LTD.  
FGT ASIA PTE. LTD


 **Schweden**  
ENCITECH CONNECTORS AB

 **Schweiz**  
COMPONA AG

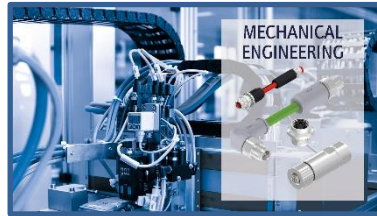
 **Norwegen**  
EG COMPONENTS NORWAY AS

 **Türkei**  
SANIL TEKNİK

 **Estland**  
YEINTERNATIONAL AS

 **Südafrika**  
ARROW Altech

## Applications using CONEC connectors



## Circular Connectors



## BENEFITS

- Connectors overmolded
- Connectors field attachable
- Sockets
- Panel plugs
- High Temperature connectors
- BUS-Systems
- Power Connectors
- Junction systems
- Enclosure technology
- Accessories
- Compact design of field attachable connectors
- High variety of device connectors
- Series M12x1 with bayonet quick locking



## CONEC Hybrid Connectors



- Size: B12, B17, B23, B40
- Connectors overmolded
- Connectors field attachable
- Receptacles

## BENEFITS

- Quick assembly of bayonet lock system
- Transfer of data and power through one connector
- Different sizes for different performance classes of drives

## Heavy Equipment Connectors



## BENEFITS

- AT/DT connectors
- ATM connectors
- Superseal connectors
- ISOBUS connectors
- Junction system size S,M, L
- M12x1 connectors with colored plastic nut/screw
- CPC connectors
- HDSCS connectors
- Degree of protection IP67/IP69K
- Integrated LED and surge protection (DT)
- Modular junction system for almost all requirements

## D-SUB Connectors



## BENEFITS

- D-SUB
- D-SUB High Density
- D-SUB Combination
- D-SUB Filter
- D-SUB Filter Combination
- Hoods & Accessories
- CONEC SnapLock
- Assembly tools
- Precision machined contacts
- Quick assembly of the SnapLock system
- Large variety of D-SUB connectors

## IP67 D-SUB Connectors



## BENEFITS

- IP67 D-SUB
- IP67 D-SUB High Density
- IP67 D-SUB CONEC Solid Body
- IP67 D-SUB CONEC SlimCon
- IP67 Combination D-SUB
- IP67 Filter D-SUB
- IP67 Hoods & Accessories
- Assembly tools
- Smallest IP67 D-SUB connector (CONEC SlimCon)
- Resistant zinc die-cast shell in Solid Body and SlimCon series
- Compact design of IP67 hoods

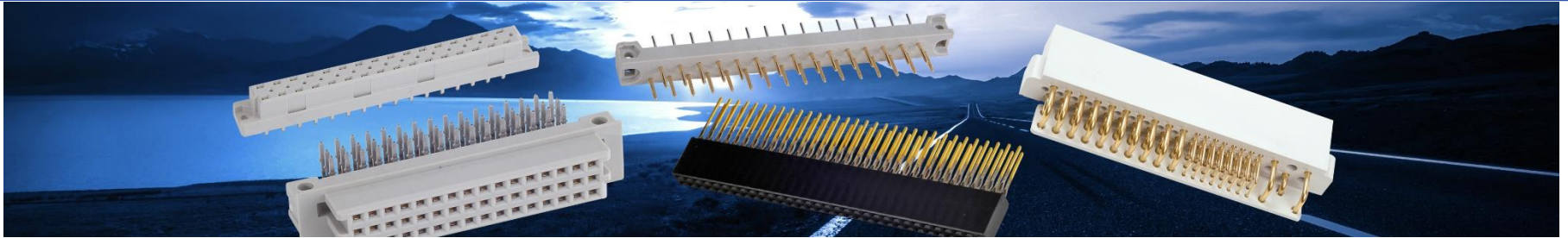
## IP67 RJ45 / USB / Mini USB / Fiber Optic / Power Bayonet



## BENEFITS

- RJ45
- IP67 RJ45
- IP67 USB / Mini USB
- IP67 Fiber Optic LC Duplex
- IP67 Power Bayonet
- Fiber Optic Adapters
- Accessories
- Quick assembly of bayonet lock system
- 1 housing, 3 different connectors  
(RJ45, USB, LC Duplex)

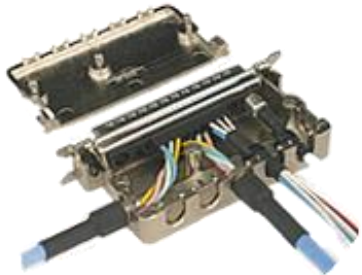
## PCB Connectors



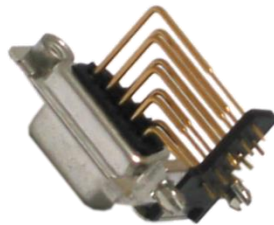
## BENEFITS

- AdvancedTCA
- MicroTCA
- CompactPCI
- DIN EN 60603-2
- Combination DIN EN 60603-2
- PC104 / PC104plus
- DIN 41617
- DIN 41651
- Assembly tools
- The only manufacturer of DIN 41617 series
- Quick implementation of custom specific requirements of different contact positions

## Development and production of customized solutions



Aluminum housing with special crimp solution



Space saving D-Subminiatur solution for enclosure

Fieldbus Communication System



Inflight Entertainment System



Female connector M12x1 special screw connection

## References



Thank you for your kind attention!



# SUCCESS

Even with many small wing beats  
great things can be achieved.

*Author unknown*