

Mühlbauer AUTOMATION

Demand for Efficiency

Thomas Betz
Managing Director
AUTOMATION



- 09.00 a.m. Key Note: Demand for Efficiency
- 09.30 a.m. Color Personalization: Peter Bach & Paul Fat
- 10.30 a.m. Dual Interface and Contactless Technologies: Albert Schober
- 11.30 a.m. Factory Automation: Alexander Bauer
- 01.30 p.m. Company Tour Focus Document Technologies and Individual Customer Meeting
- 05.30 p.m. Transfer to Hotels (with shuttle bus in front of TECURITY® Center)
- 07.00 p.m. Get-Together / Lobby City Hotel
- 07.30 p.m. Dinner / City Hotel



- Owner-managed group
- International market leadership in the fields of
 - Parts & Systems
 - Semiconductor Related Products
 - Document Solution Related Products
 - TECURITY® Solutions
- The Mühlbauer Group's philosophy: Our customers are our partners!





BASIS

- 3,500 employees at 35 sites worldwide
- 400 engineers in R&D
- 400 trainees
- Excellent sustainability standards



INVESTMENTS

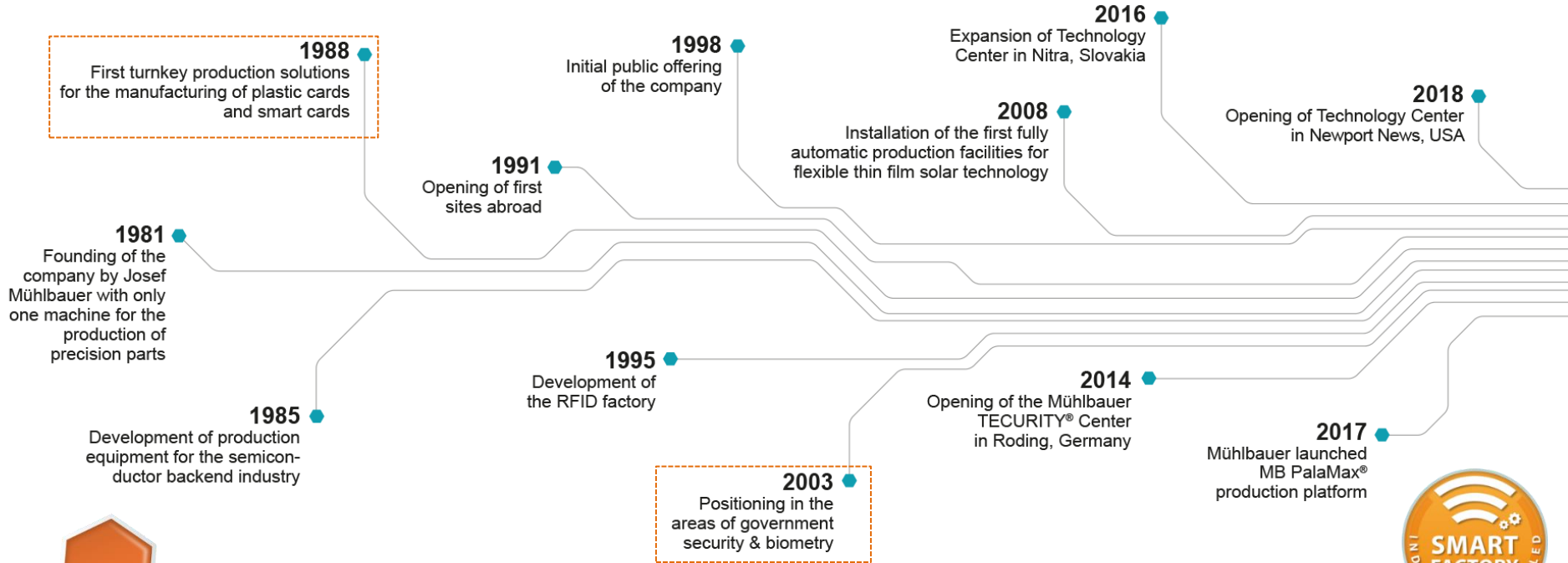
- Annual investments (approx. 15 million EUR) in
 - Latest technologies
 - Infrastructure
 - Systematical & logical completion of the product chain



MARKET POSITION

- PARTS & SYSTEMS – Intersectoral Parts Manufacturing
- AUTOMATION – Market leader in the areas of RFID
- SECURITY® – Solution partner for identification & verification projects







- 35 production & service locations
- Technology centers in USA, Slovakia, Serbia, Malaysia & China
- Inhouse precision-part production
- Provision of
 - High-end semiconductor & RFID systems
 - Reliable vision inspection technologies
 - Innovative ID document end-to-end-solutions
 - Secure access & border control systems



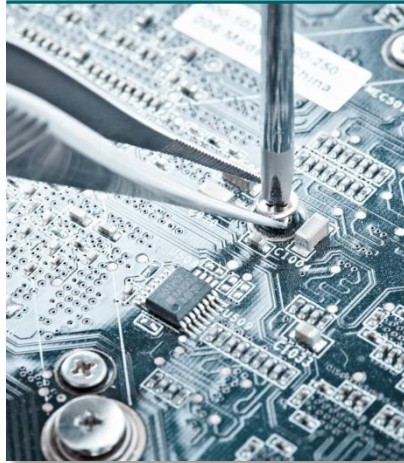
PARTS & SYSTEMS

Precision Parts for Aerospace,
Automotive & Engineering



AUTOMATION

Machines for
SRP & DSRP



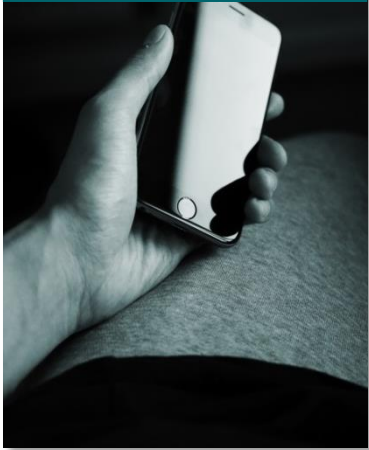
TECURITY®

Solutions for
Governments

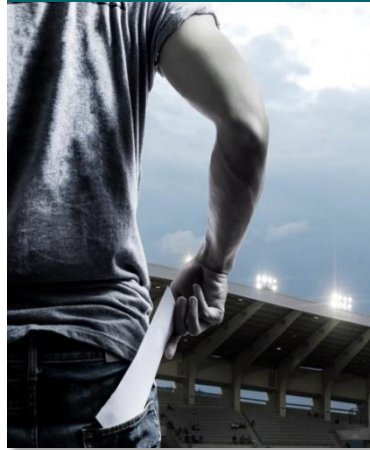


SEMICONDUCTORS

Intelligence for
Security & Communication



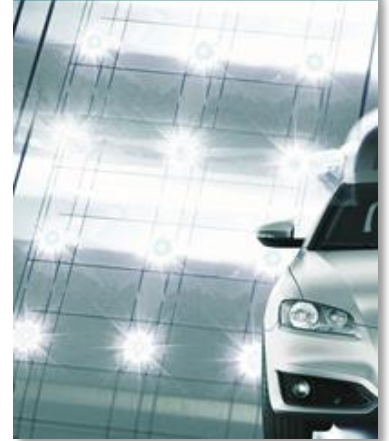
RFID & ID Smart Cards & Labels
for TECURITY® & IOT



FLEXIBLE SOLAR
Efficient Solution for
Clean Energy



LED
Energy-Saving Light for
the Future



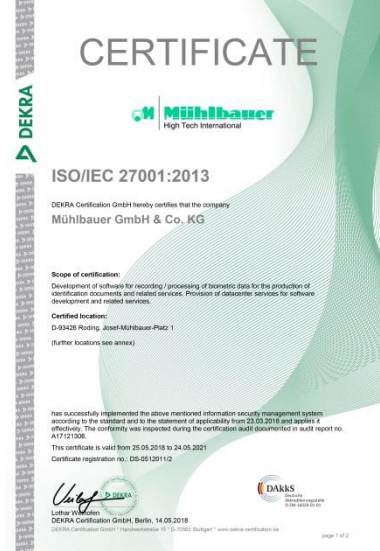
Security Printer



Security Supplier

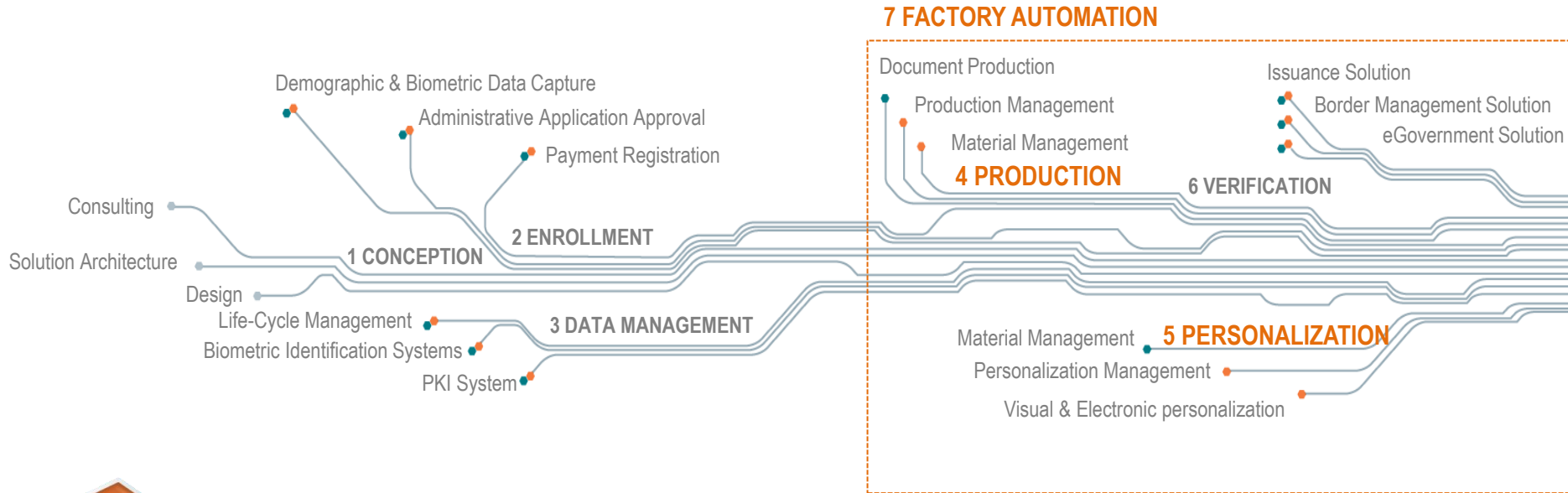


IT Security ISO IEC 27001



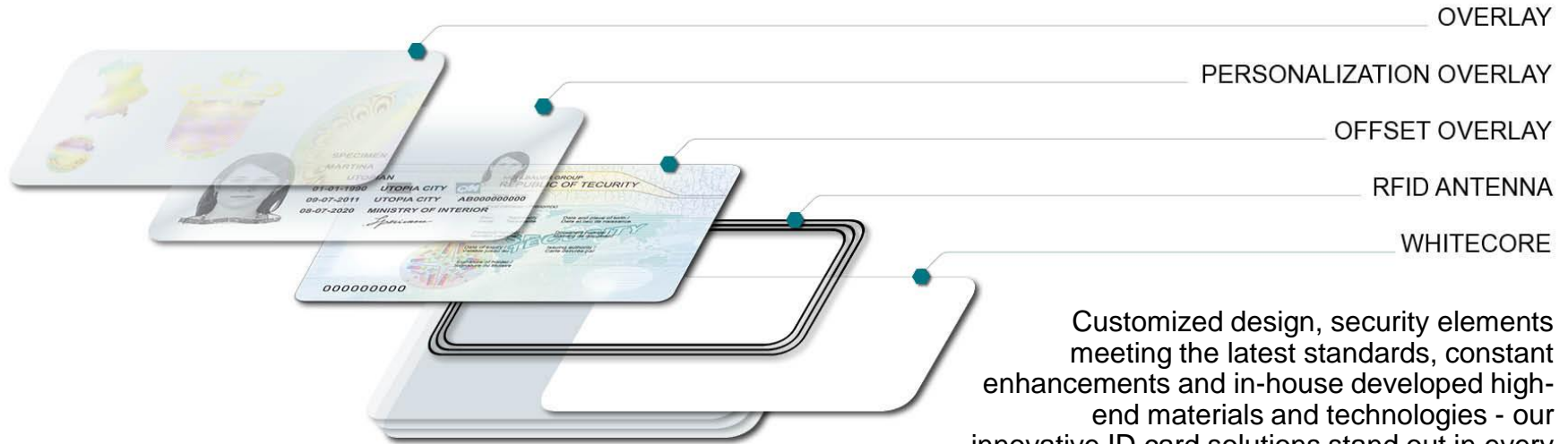
QM System ISO 9001:2008





Card Production

Dual Interface & Contactless Technologies



Customized design, security elements meeting the latest standards, constant enhancements and in-house developed high-end materials and technologies - our innovative ID card solutions stand out in every way possible. We pledge to motivate all our expertise to guarantee the production of optimized, highly durable and unforgeable documents.



ID Card Republic of El Salvador



eID Card Gibraltar



Residence Card Georgia





- High-end personalization technologies
- Support by latest PKI & background systems
- Secure & encrypted data transfer
- Constant & thorough quality checks

INTERNATIONAL STANDARDS FOR HIGH-SECURITY PERSONALIZATION



CARD BODY

SMART CARD

PRE-PERSONALIZATION

PERSONALIZATION



SMART FACTORY

Production Management

+

Material Management



Real-time Monitoring

+

Process Transparency



Improvement of Production chain





Optimized Quality



Maximized Equipment Utilization



Reduced Downtime



Predictive Maintenance



Productivity

+50 %



Efficiency & Speed

+30 %



Cost Reduction

+20 %



Securing Future Competitiveness

New Business Models

New Services

Mühlbauer's Smart Factories for Semiconductors, RFID, Smart Card & ID Documents



- Confidence of governments & public authorities worldwide
- Trust and reliability - our most important values
- Convincing by high speed, best quality & strict customer orientation
- Planning, risk management, effective monitoring & support
- Close partnerships with all stakeholders

**YOUR TRUST IS OUR GREATEST MOTIVATION TO
TURN EVERY CHALLENGE INTO A SUCCESS STORY.**

