



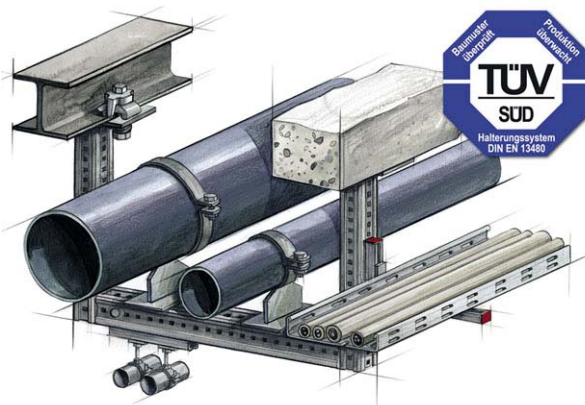
Industrie Service

# Competence Certification

## "Choose certainty. Add value."

**Christine Stolz**

**christine.stolz@tuev-sued.de**





## Seven strong arguments for TÜV SÜD

- One-stop services
- Independent services
- Worldwide representation
- Worldwide acceptance
- Worldwide reputation
- High safety standards
- High quality standards





## What does the TÜV SÜD Octagon stand for?

It stands for:

- Safety
- Performance
- Functionality
- Quality
- Durability

### The TÜV SÜD Octagon

- A voluntary certification mark issued by the TÜV SÜD Group
- A decision making aid for consumers
- A mark of confidence in the quality of a product or the service quality of an organisation
- An opportunity for our customers to emphasise individual product features

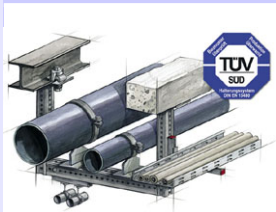
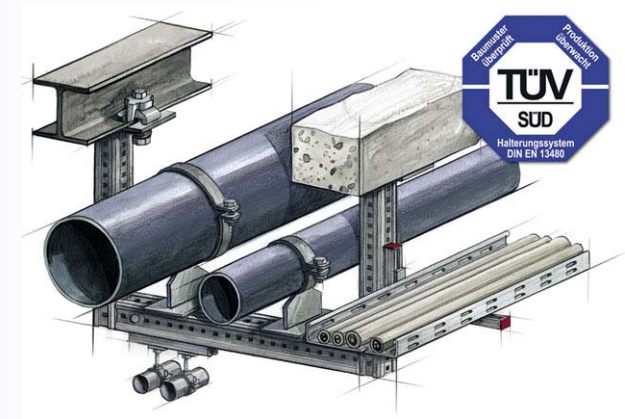


## To what products and services can it be awarded?

**To all products and services in the following sectors:**

- Plant engineering
- Power station engineering
- Aerospace engineering
- Automotive engineering
- Mechanical engineering
- Construction engineering
- and many more. . .

Don't hesitate to ask us







## Certification procedure for HILTI

- Preparation of certification procedure
- Review of test specification as per EN 13480
- Testing of HILTI System MI
- Review of quality system as per EN 17025
- Production monitoring
- Certification management
- Certificate approval





## Benefits for HILTI and its customers

- Worldwide follow-up service for HILTI
- Worldwide monitored quality standard
- Powerful and transparent statements
- Economic value added owing to certification



# Competence Certification



Industrie Service

## Example HILTI AG

**CERTIFICATE**

The Certification Body of TÜV Industrie Service GmbH  
TÜV SÜD Group  
Business Unit Strength and Reliability  
hereby entitles

**HILTI**  
HILTI Aktiengesellschaft  
FL-9494 Schaan  
Principality of Liechtenstein

to attach the certification mark shown at right  
to the product specified below.

Product specification:  
Hilti Industrial Pipe Support System MI  
for Metallic Industrial Piping  
as per test report no.: TÜVBB-FZO-za-04-2102  
and test instruction MJC-KSP-A 080

This certificate is based on the test report TÜVBB-FZO-za-04-2102  
of March 16, 2004.

This certificate is valid until March 16, 2005  
Certificate registration no.: QS/205001/04  
Munich, March 17, 2004

TÜV Industrie Service GmbH  
TÜV SÜD Group  
Business Unit Strength and Reliability

Dr. Schirmer  
Head of Certification Body  
Measurement technology and  
Component Behavior

EN 45004  
Akreditierung  
DAP-3516/01  
TÜV SÜD Deutschland

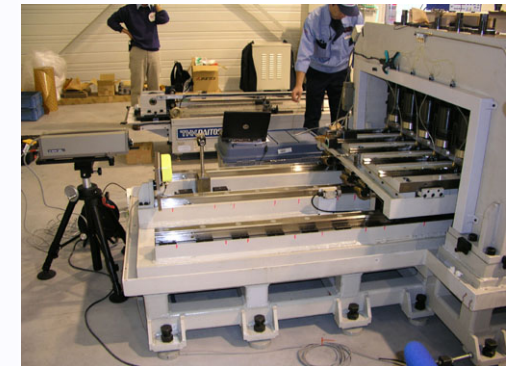
Bernd Zapf  
Technical certifier  
Strength and  
Reliability





## Certification procedure for THK Ltd.

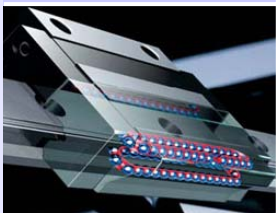
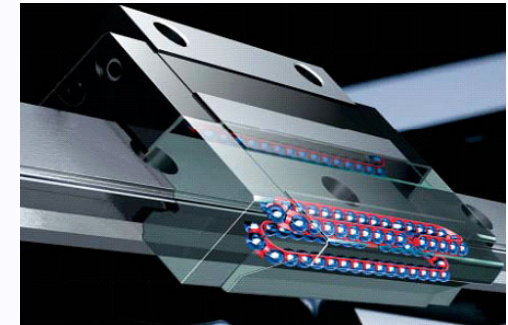
- Preparation of certification procedure
- Review of test specification addressing dynamic load rating as per ISO 14728/636
- Validation and certification of test procedure and of test stand to confirm dynamic load rating
- Review of quality system as per EN 17025
- Certification management
- Certificate approval





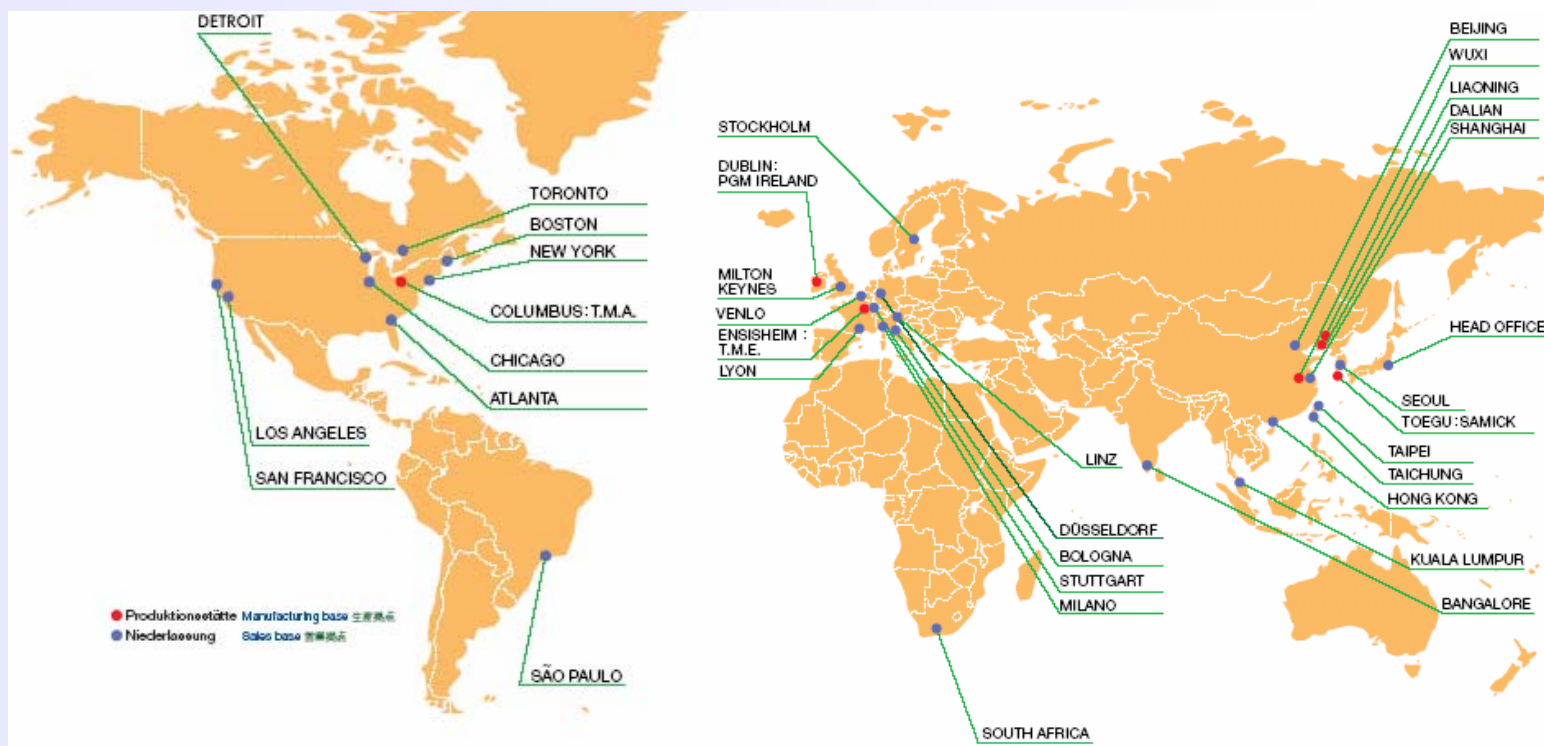
## Benefits for THK Ltd. and its customers

- Worldwide follow-up service for THK Ltd.
- Worldwide monitored quality standard
- Powerful and transparent statements
- Economic value added owing to certification





## Worldwide THK network



## Example IEC 61508 / 61511

- Certification of safety integrity level (SIL certificate)
  - Verification of safety level at new installations
  - Confirmation of existing systems by establishing operational qualification
- System and component certification as per EN 61508 / 61511
- Certification of safety management system as per EN 61508 / 61511



Photo: Fraport AG

## Example IEC 61508 / 61511

- Qualification testing of a control system to ensure compliance with SIL 3 requirements
  - Qualification testing of PROCONTROL PF
  
- Hazard assessment and risk analysis
  - Analysis of runway and taxiway light systems
  - Determination of SIL requirements applicable to the manufacturer



Photo: Fraport AG

# Competence Certification

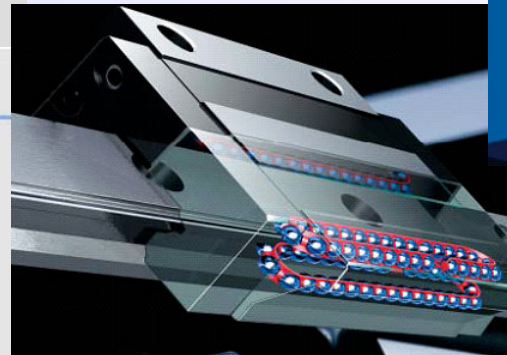


Industrie Service

## References - products

### Measuring systems

Direkte Messung der Vorspannkraft während der Montage



### Transducer bolt

Permanent Mounted Transducer System



### Fastening elements

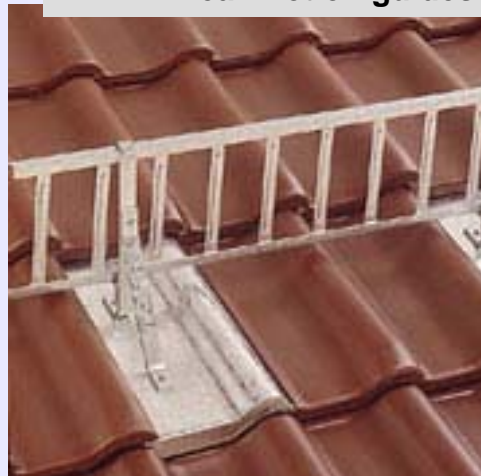


### Electrical equipment



### Airport safety systems

### Linear motion guides



### Safety components



### Support systems

# Competence Certification



Industrie Service

## References - companies





## Contact

TÜV SÜD Industrie Service GmbH  
Westendstrasse 199  
80686 Munich

Christine Stolz  
Telephone +49 (0) 89-5791-1671  
E-mail: [christine.stolz@tuev-sued.de](mailto:christine.stolz@tuev-sued.de)

