Physical IT Monitoring as important as the Firewall

50%
of all IT losses are caused by physical threats

Objective: Highest Availability

- No unplanned outage of IT systems

- High system availability of 99,99%-99,999% (ca. 55-5Min), Tier 1-4

- Ensuring environmental conditions

- Proactivity - prevent failure, intervene preventively

- **Early alert of threats -** realtime information of responsible persons

Objective: Compliance - Requirements - Guidelines - Laws

● Compliance - Assuring of requirements and laws, governance (**§9 BDSG)**

● Implementation of the required or imposed security standards

● Implementing the requirements according ISO2700x - Documentation

● Special requirements of insurance (depending on the industry)

● Country-specific standards and directives

BSI Grundschutz Katalog
IT Sicherheitsgesetz
ISO 27001/27002 Information security management systems
ITIL (IT Infrastructure Library)
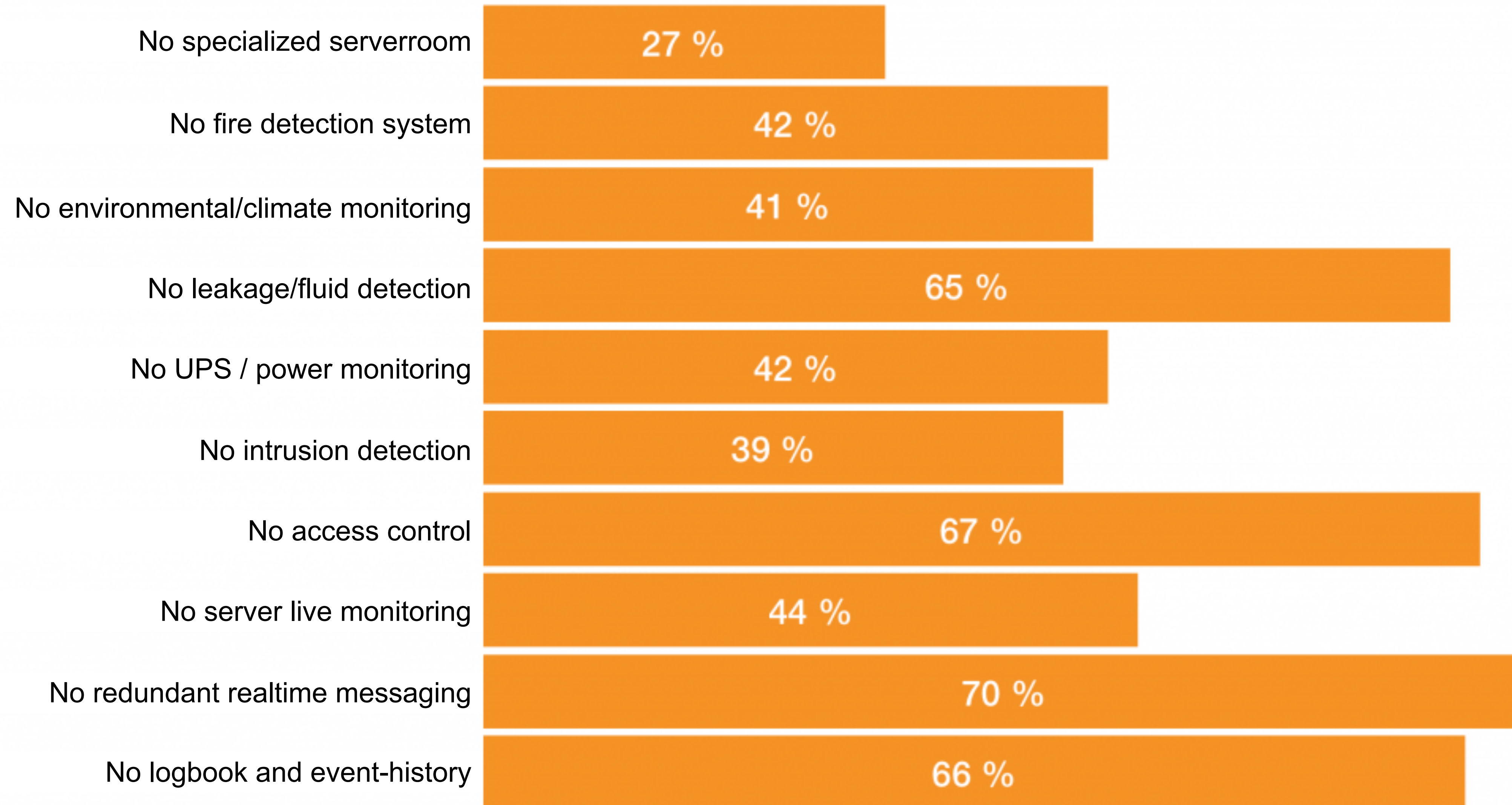**§9 BDSG Techn. und Organisatorische Maßnahmen**
Business Continuity

360° physical IT-security

Market situation - SMB survey with > 1.000 companies

Quelle: Kentix Studie „Serverraum-Check", ©2014

Category	Percentage
No specialized serverroom	27 %
No fire detection system	42 %
No environmental/climate monitoring	41 %
No leakage/fluid detection	65 %
No UPS / power monitoring	42 %
No intrusion detection	39 %
No access control	67 %
No server live monitoring	44 %
No redundant realtime messaging	70 %
No logbook and event-history	66 %

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Most IT infrastructure is mission critical

- Business, state and daily life is 100% IT depending

- There branched dependencies - sub-suppliers, sub-organizations

- Institutions and facilities with major importance for the state community (CIP)

- Energy, water, transportation, medical, finance, telco, administration

We need anytime to know what's going on!

IT Infrastructure is constantly growing

**Server-
Backup-Rooms**

**Patch-
Technical-Rooms**

**Branches-
distrib. Infrastructure**

**Industry 4.0
Autom. Infrastructure**

80% of the IT infrastructure is physically not adequately secured!

Physical security systems becomes IT systems

CLIMATE

BURGLARY

IP CAM

ACCESS

FIRE

SERVER-MONITOR

360° physical IT-security

Physical security systems becomes integrated IT systems

Need of centralized IT management dashboards

MultiSensors makes physical monitoring smarter

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THERMO

HUMIDITY

DEWPOINT

MOTION

FIRE

VIBRATION

VOLTAGE

BUZZER

IN
OUT

EXT-IN-OUT

LEAKAGE

MultiSensors detects 20 threats!
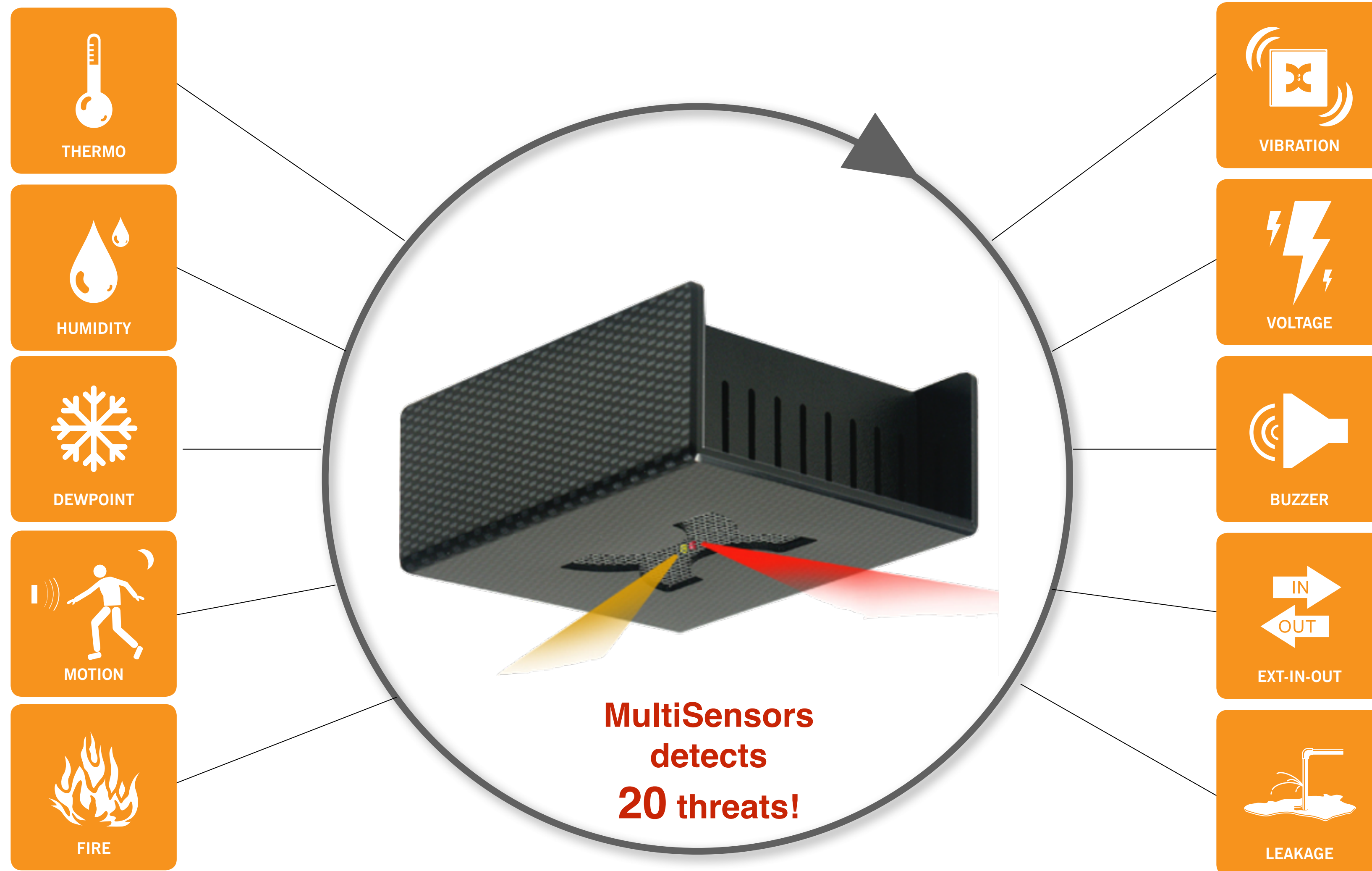
MultiSensors delivers better information

- Smarter system functionality

- Easy networking - easy installation

- Single sensors are not cheaper

- Better and „more" information
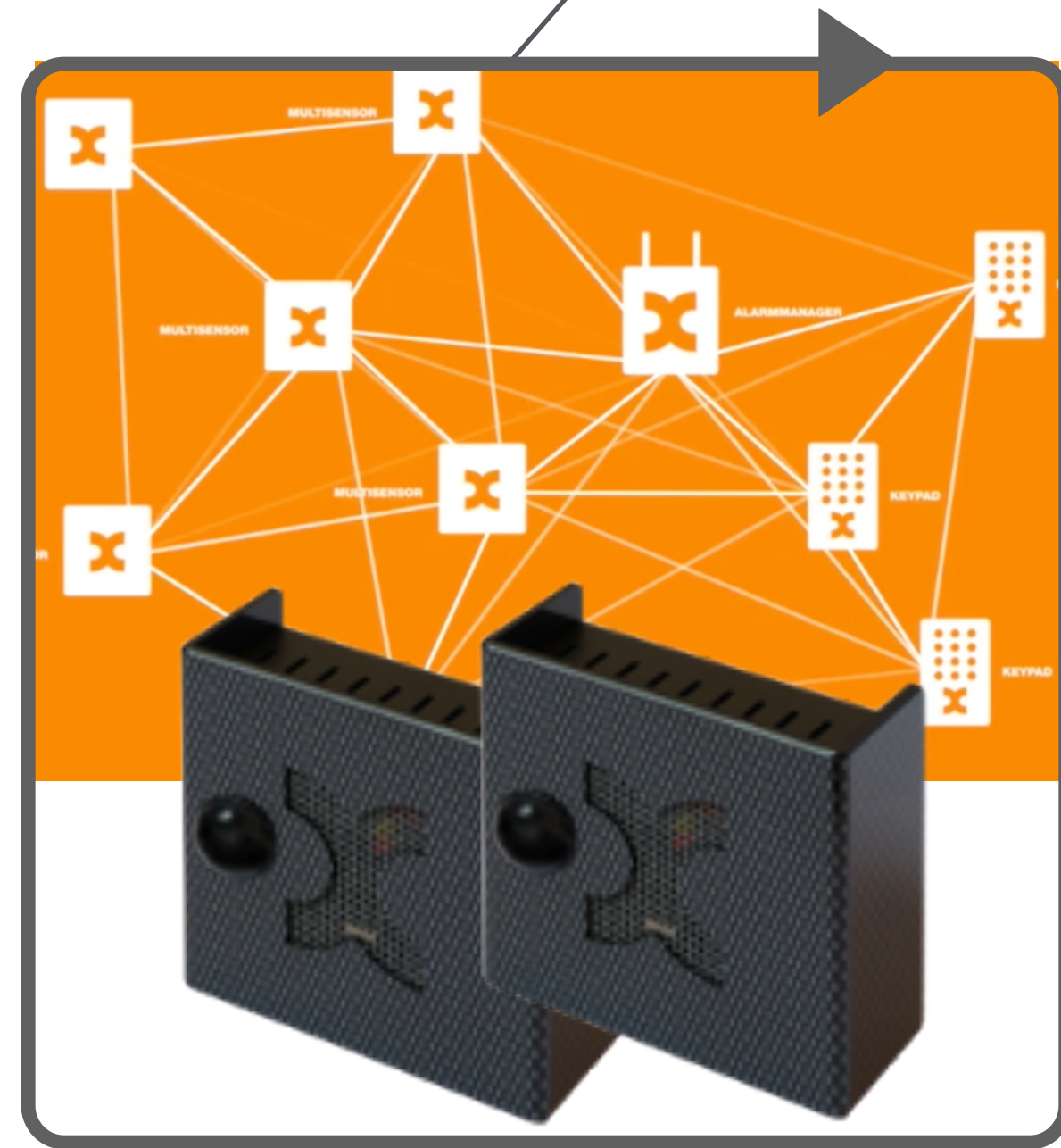
- Reduction of system components

What makes physical IT monitoring really smart

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1	360° Integration

2	Scalability

3	Simplification

CLIMATE

FIRE

BURGLARY

ACCESS

SERVER-MONITOR

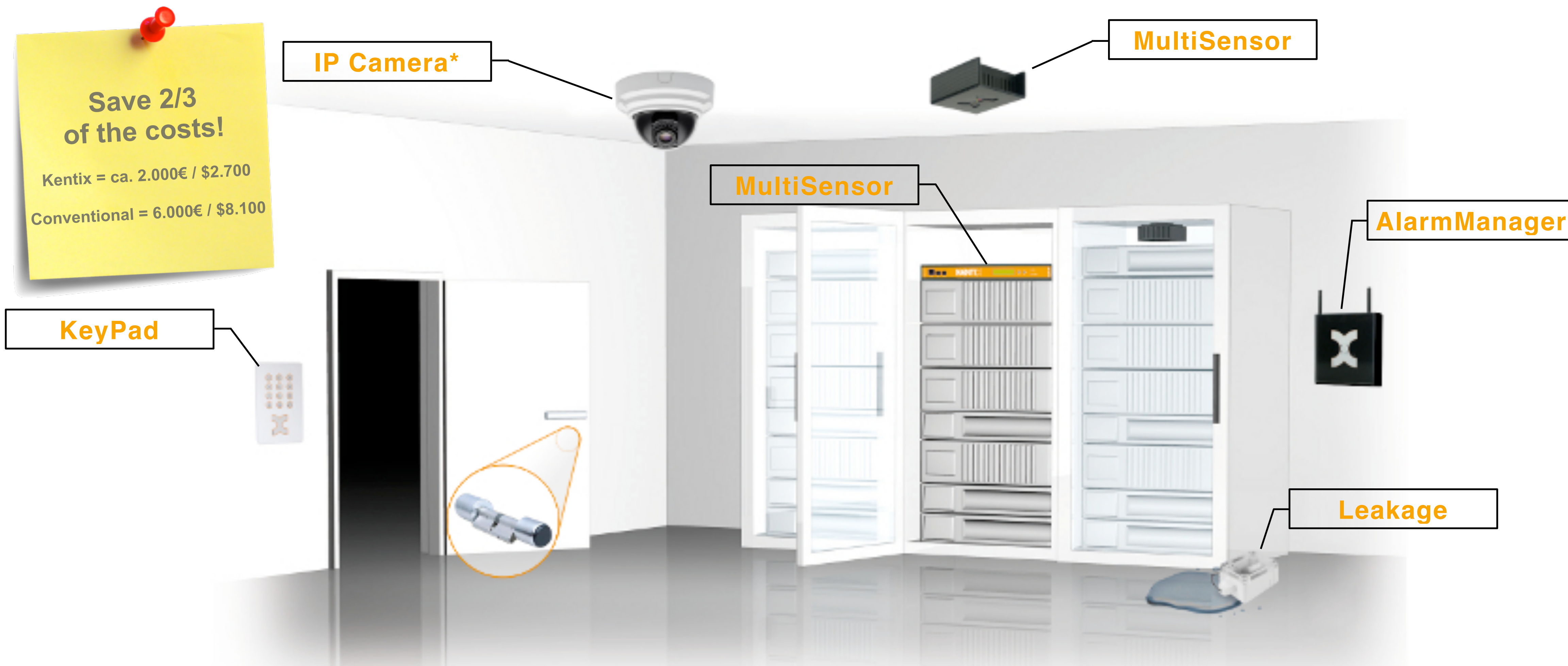IP CAM

Integrates all systems

Total networking

Clear communication

No more single systems - high savings

- Environm. monitoring system
- Burglar alarm system
- Early fire detection system
- Access control system
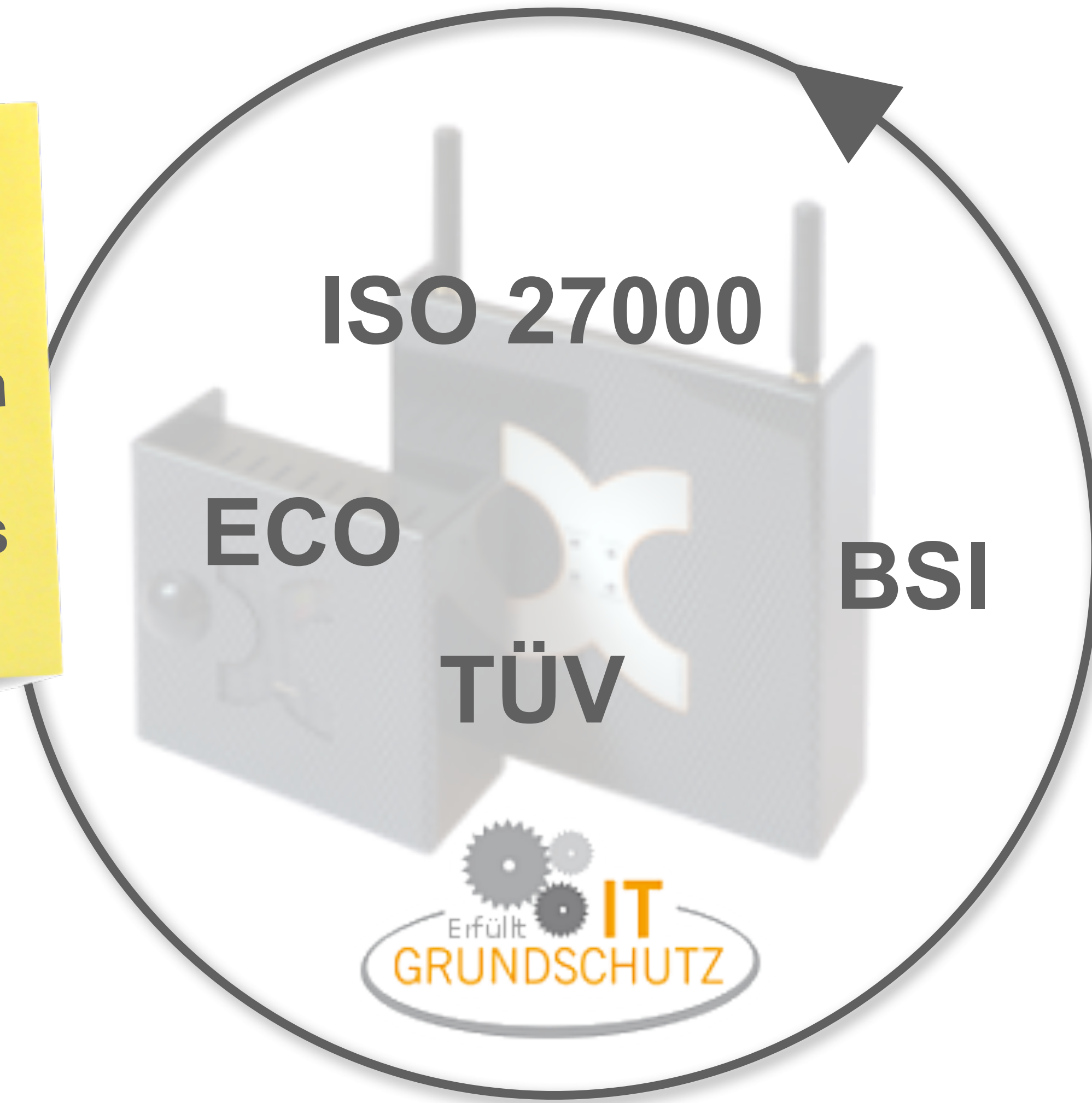- Network monitoring system
- Reporting system

Integrated systems are cost-effective

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Save 2/3
of the costs!

Kentix = ca. 2.000€ / $2.700

Conventional = 6.000€ / $8.100

IP Camera*

MultiSensor

MultiSensor

AlarmManager

KeyPad

Leakage

*third party product

Full compliance with just one system

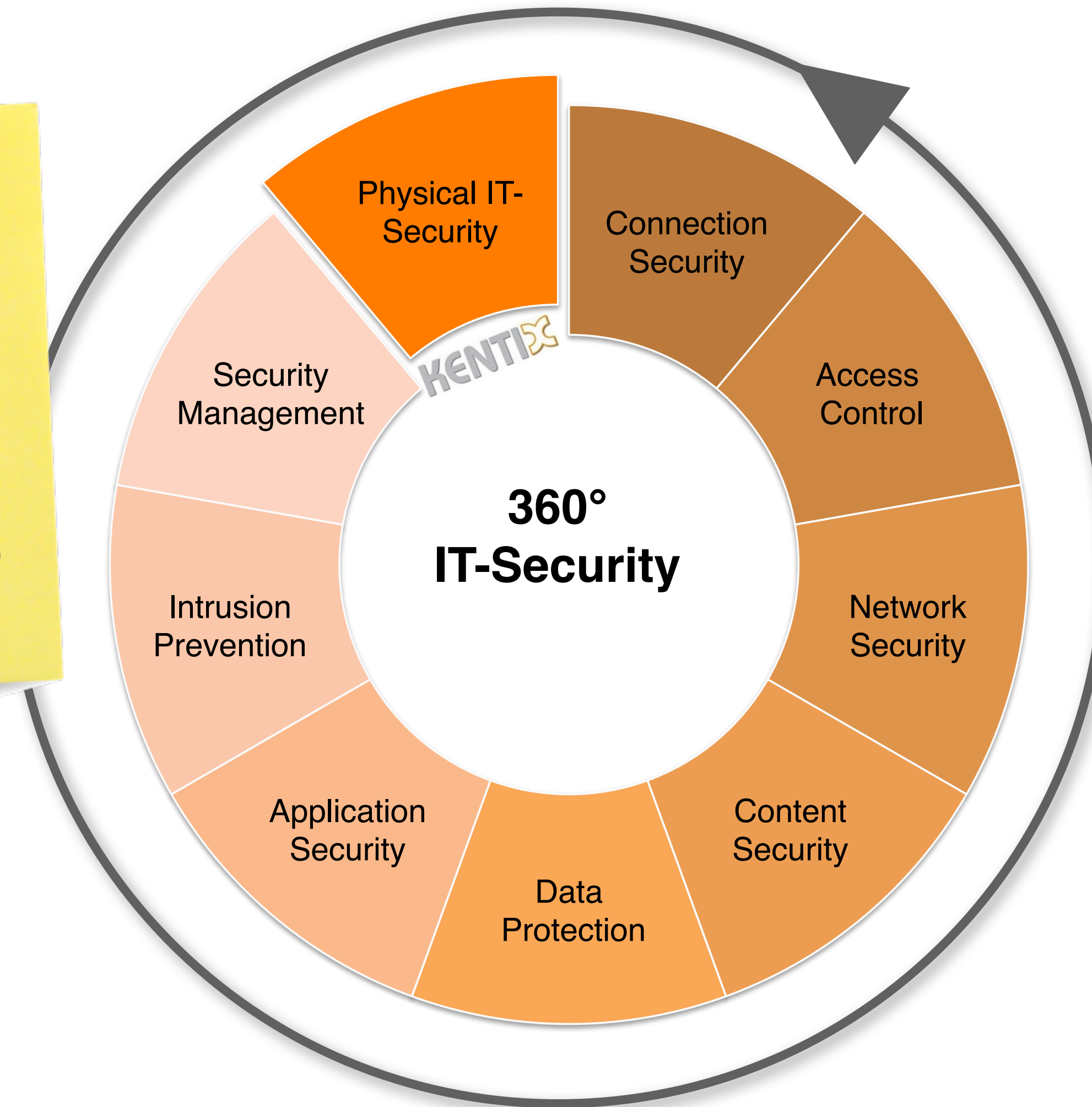Entry systems fulfills physical base protection for 25sqm IT-ROOM starts from 950,00€

ISO 27000

ECO

BSI

TÜV

Erfüllt IT GRUNDSCHUTZ

*Server room with approx. 20 sqm / 200 sqft

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