Unified Network & Services Management

infosim®

Infosim®

Leading manufacturer of automated Service Fulfillment and Service Assurance solutions for Telcos, System Integrators, Managed Service Providers, and Enterprise Corporations

Founded 2003 as a privately held company

Unified Network & Services Management

Infosim® is developing and marketing StableNet®, the leading unified management solution for fault, performance, configuration, inventory, and services management

Offices

Germany

Würzburg (Headquarter)

Münster

USA

Austin, TX

Singapore

Over 100 employees worldwide

Discovery

Performance

Fault
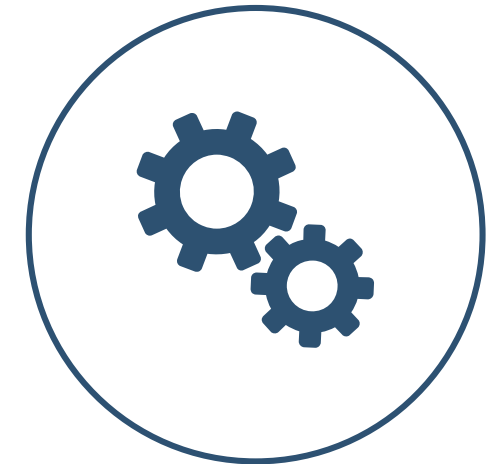
Configuration
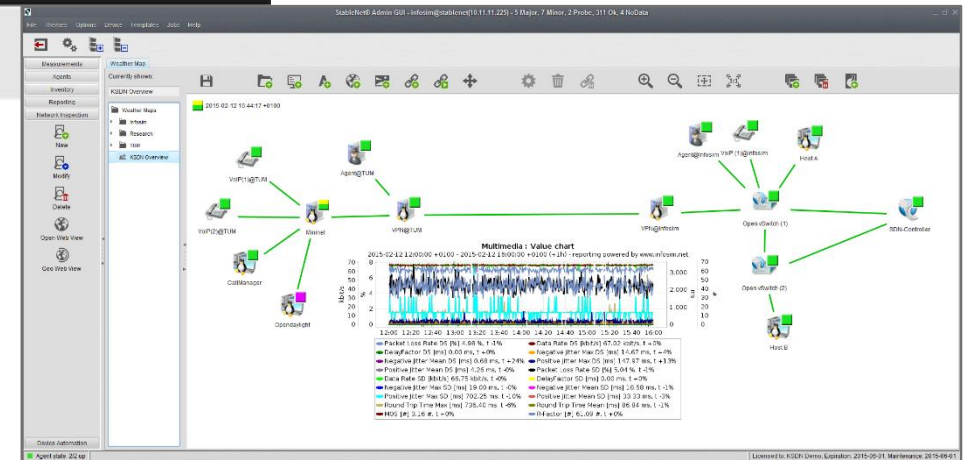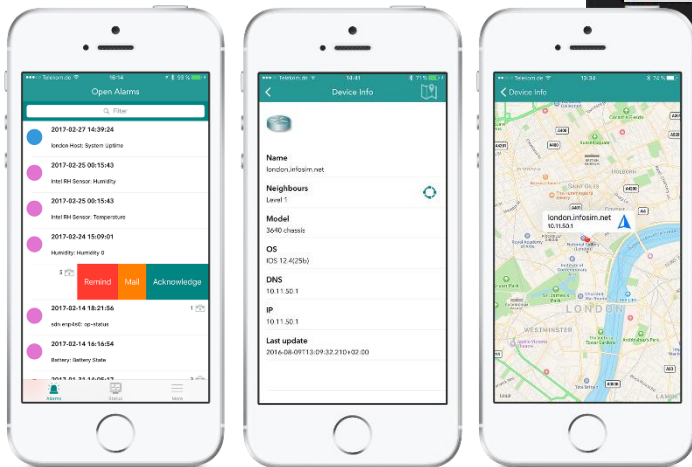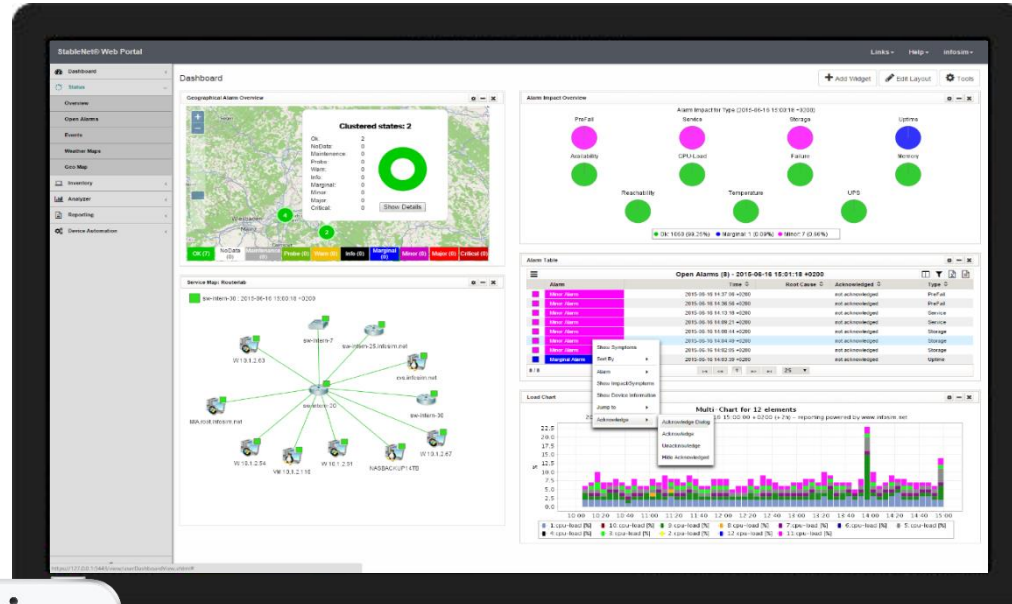
STABLENET® ARCHITECTURE

INTEGRATION LAYER

| Northbound | Portal | CRM | Inventory | REST API |

StableNet® Server

Rich Client

Web Client

Mobile App

Activation & Provisioning	Fault & Impact	Performance & Planning
Discovery	Inventory & CMDB	Reporting & Visualization

Database

Oracle

MySQL

MariaDB

PROCESSING LAYER

Agent 1

Agent N

COLLECTION LAYER
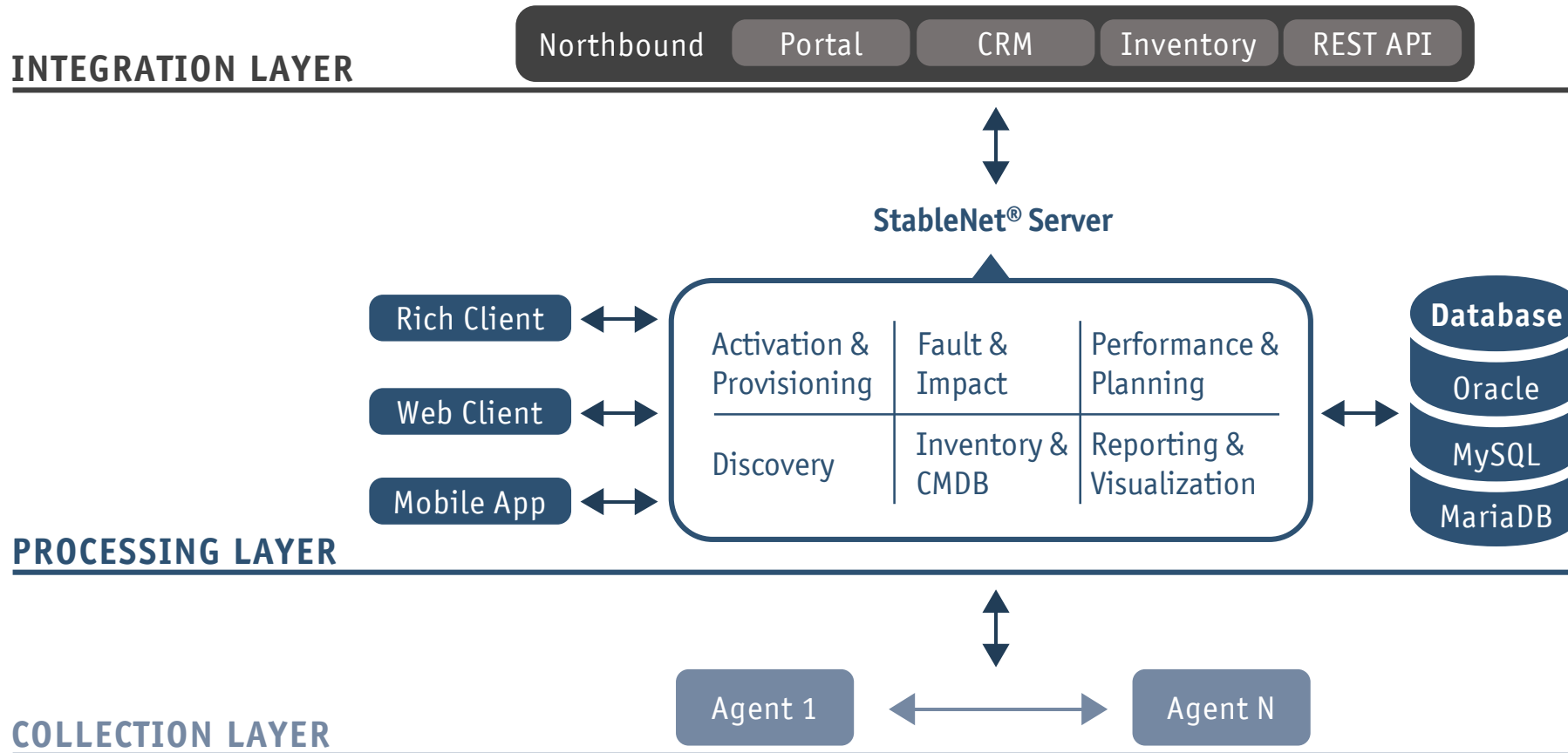
STABLENET® INTERFACES FOR PARTNER/CUSTOMER EXTENSIONS

Northbound

MSP Portfolio, Company Dashboards, etc.

Weather Maps & Reports	Alarm Scripts	Servlets	REST API

StableNet® Core

SNMP, WMI, Trap Templates	Backup & Restore Scripts	Business Process Scripts/SNEA Extensions	External Measurements /LogNG

Devices, Services

Southbound
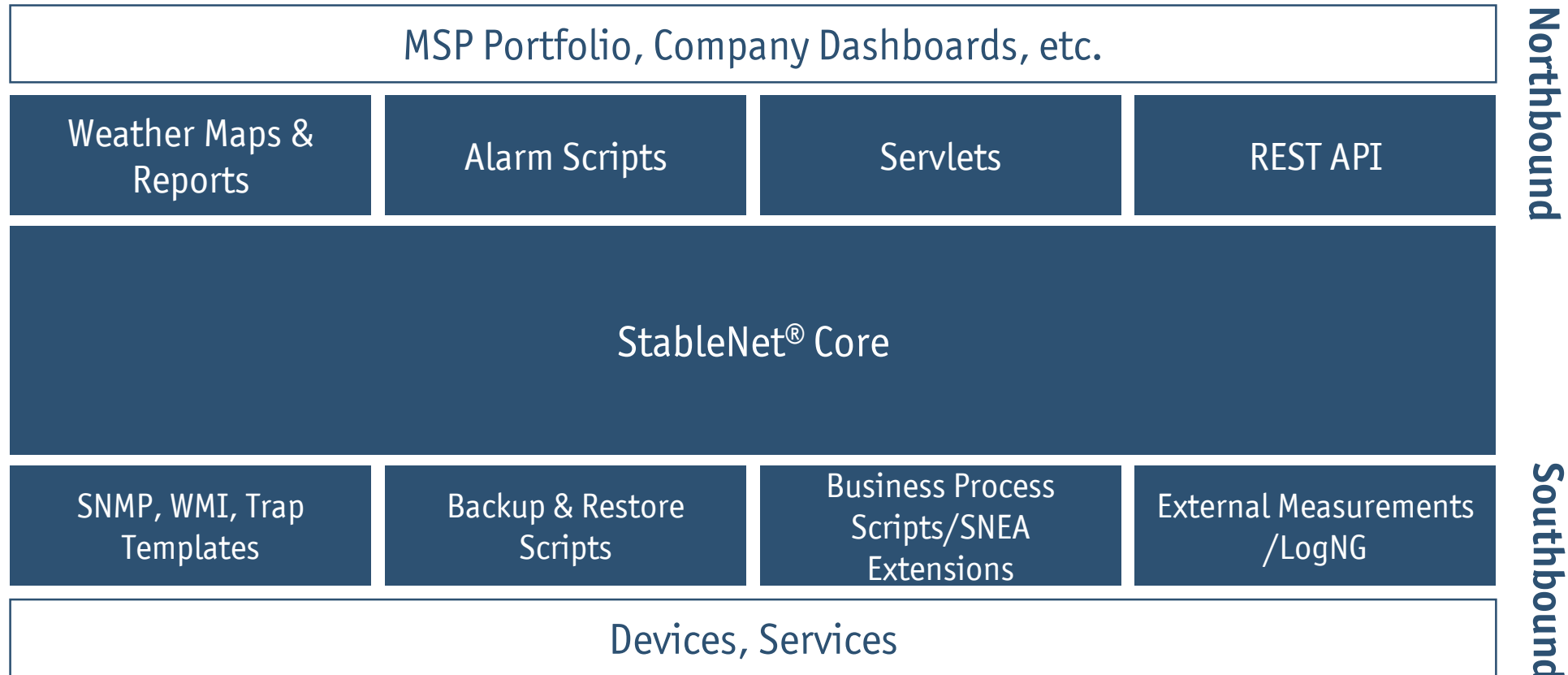
EXAMPLES OF ENTRY SCENARIOS FOR **STABLENET**®

ADDRESSED AREA	REASONS FOR USING STABLENET®	ACHIEVEMENTS
Tool Consolidation	**Different tools causes:** - high costs for licenses - high operational costs - high complexity	Umbrella network and service management, Lowered costs
Network Automation	**Service (circuit) implementation across multi-vendor/-technology causes:** - very high operational effort - lack of personal resources - high implementation period for business services - limited competitiveness (regarding implementation speed and quality)	Implementation of a vendor and technology independent circuit implementation process
Service (Circuit) Visualization	**No End-2-End service (circuit) view:** - multi-vendor networks make it impossible to have one End-2-End view - multi-technology networks make it impossible to have one End-2-End view (L2, IP, Optical, SDH, OTN, MPLS)	Implemention of a vendor and technology independent service view
Zero-Touch Deployment	**Mass deployment of CPE and other devices:** - rollout of of e.g. CPEs, WiFi access point, cameras - minimizing cost and effort by using zero-touch deployment	Implemention of a vendor and technology independent zero-touch deployments method
Root Cause Analysis	**Failure analysis in multi-layer/multi-vendor networks:** - preventing of alarm floods - using high-performance Root Cause Analysis - optimizing Mean-Time-to-Repair (MTTR) in case of network issues	Achieving maximum network availability
Process Monitoring	**Process/service monitoring across different OSI layers:** - optical/Ethernet/IP networks - OTN networks - voice circuits - application processes	Comprehensive monitoring across the OSI layer

TYPICAL APPLICATIONS AND USE CASES

MONITORING AND PROVISIONING OF TELCO NETWORKS

- Broadband Networks
- Ethernet/IP/MPLS/Optical/ SDH Backbones
- Lora Access Networks
- Radio Networks (Point-to-Point)
- Security/Firewalls
- Voice/Softswitch
- Mobile Networks (LTE, 5G, UMTS ...)
- Non-Standard Networks (Police, Military)

MANAGEMENT OF IT INFRASTRUCTURE

- Monitoring and Performance Management
- Alarm Management and "Root Cause" analysis
- Service and Lifecycle Management
- Inventory Management
- Service Provisioning
- Backup, Restore and Vulnerability Management
- Analytics and Reporting
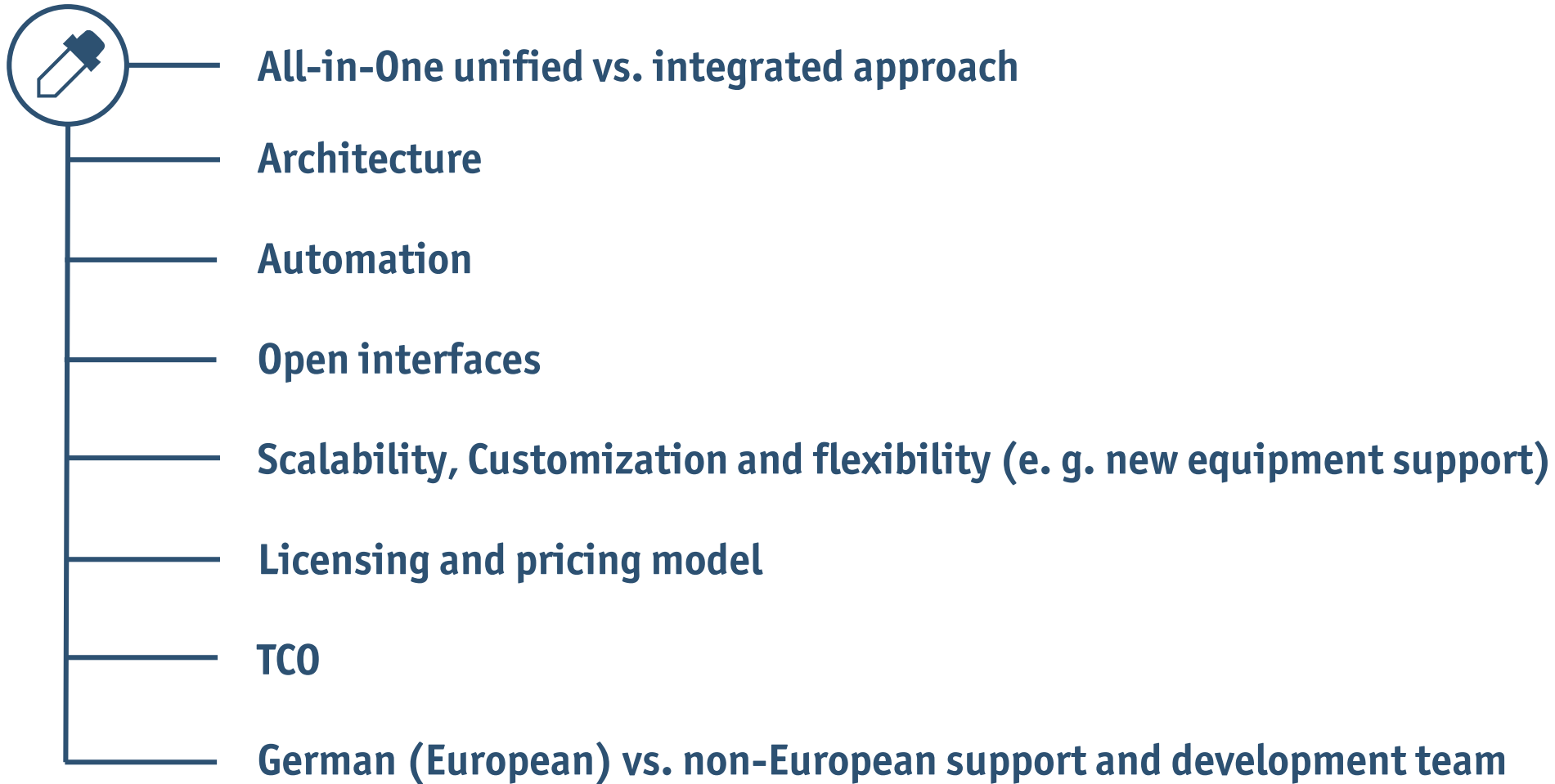- Consolidation of Management Tools

DATA CENTER

- Visualization, monitoring and alarm management of virtualized systems
- SDN/NFV support
- Automation and capacity monitoring
- Service and lifecycle management
- Inventory management
- Backup, restore und vulnerability management of network components
- Analytics and reporting
- Visualization of vxlan

IOT APPLICATIONS

- At Retailers (supervision of cash register systems, video cameras, freeze systems, access systems, facility management)
- At Car Park Operators (utilization, allocation)
- At Facility Management Companies (access systems, video cameras, facility technology)
- At Utility Companies (smart metering, smart grid)
- At Enterprises Industry 4.0 applications (Monitoring and Alarm Management)
- Transport Companies (railway, bus and all public transportation)
- Inventory Management
- Police/Security (e.g. BodyCam)

All-in-One unified vs. integrated approach

Architecture

Automation

Open interfaces

Scalability, Customization and flexibility (e. g. new equipment support)

Licensing and pricing model

TCO

German (European) vs. non-European support and development team

SAVE ON THE MAGIC 3

COSTLY

High-**RISK**

Functionality **GAPS**

SLOW to provision

High-**OPERATING COST**

High-**MAINTENANCE**

NON-differentiated

LEGACY OSS SYSTEMS
3 different vendor element managers

Fault Management System	Configuration Management System	Performance Management System
Platform	Platform	Platform
Software	Software	Software
Operate	Operate	Operate
Support	Support	Support
Maintenance	Maintenance	Maintenance

COST x3

STABLENET®
unified management suite

StableNet®
Platform
Software
Operate
Support
Maintenance

COST x1

LOWER operating costs

INCREASED efficiency

AUTOMATED provisioning

ENRICHED functionality

DIFFERENTIATES your services

SINGLE SCALABLE platform

FLEXIBILITY, ADAPTABILITY

ROOT CAUSE ANALYSIS (RCA)

Thank you

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