

Voxtronic.

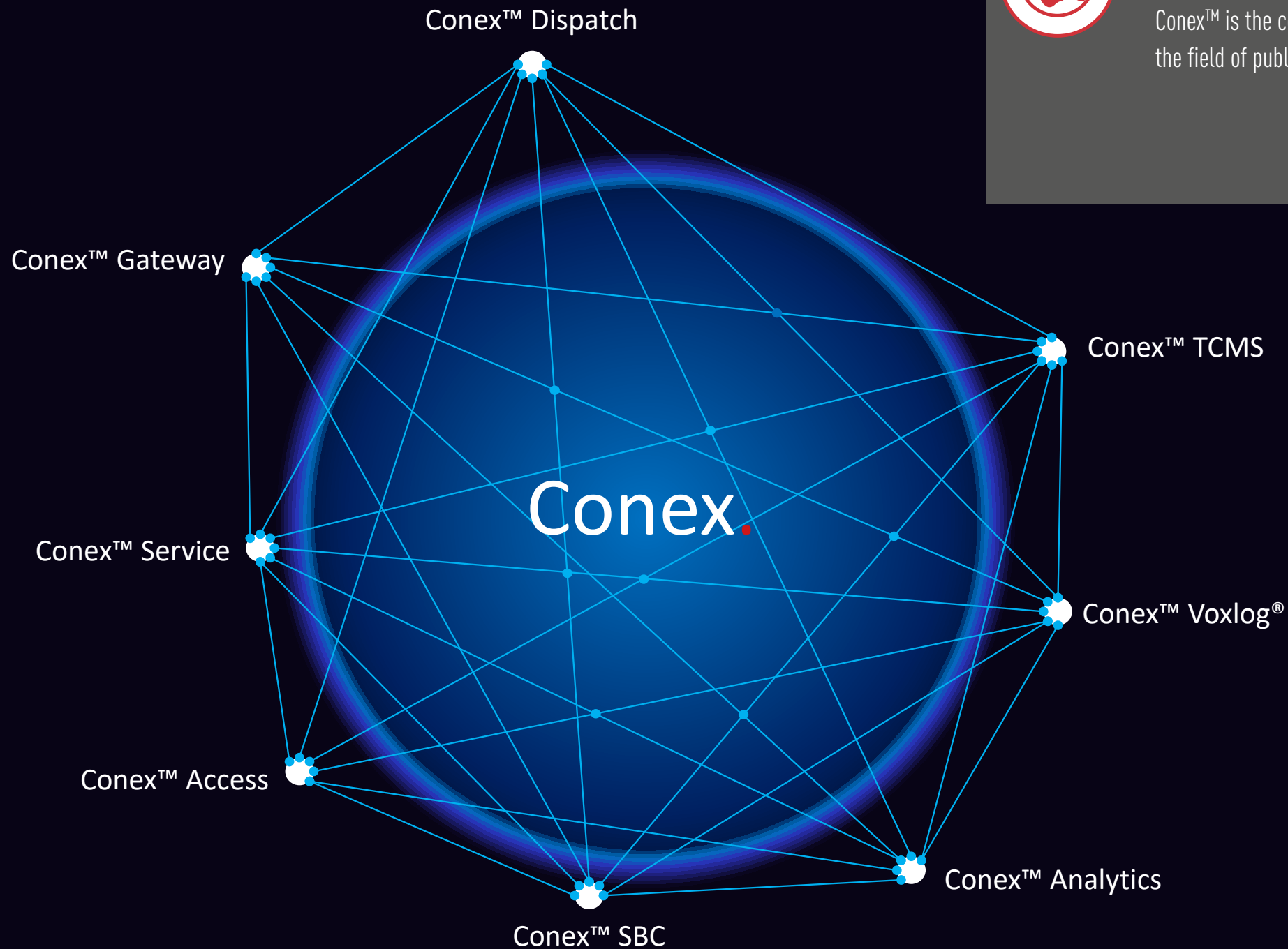
Conex™

Platform for mission critical communication



Communication platform Conex™

Conex™ is the common platform for all communication processes in the field of public safety, public transport and industry.



Smart Communication.

Communication

Conex™ Dispatch is a communication system and connects different networks in one user friendly interface.

Recording and documentation

Conex™ Voxlog® documents communication processes.

Analysis

Speaker identification, communication relationships, image and video evaluation.

Gateways

Integration of networks and existing components.

Network security

Conex™ offers delay-free encryption for critical infrastructures as well as a Session Border Controller (Conex™ SBC) for the protection of communication networks.

Management and Monitoring

Conex™ TCMS is a central management system. It is used to monitor and manage all Voxtronic products and other SNMP-compatible devices.

Access control

Conex™ Access combines access control, time and attendance, video surveillance and visitor management.

Service

A comprehensive range of services assures reliable operation.

Voxtronic.



Conex™ Dispatch

Communication system



Conex™ Voxlog®

Documentation of communication processes



Conex™ Analytics

Everything at a glance



Join™ VLC

Analog- and (Ro)IP-Gateway

Connection of radio systems

MCPTT, DMR, TETRA, GSM-R, ED-137 and analog radio.
Operation of single or grouped radio channels.

Numerous operating modes

Telephony, local battery, tunnel emergency call, analog and digital radio, public address system, etc.

Individual role management

Use of roles across different locations.

Instant recall

Legally compliant documentation of the workstation.

Centralized management

All operator positions are managed centrally.

Address book management

Individual and central telephone book for all dispatchers.

GIS integration

Direct integration of external geoinformation systems.

Video integration

Video telephony, video conferencing and video surveillance.

Mobile

With the Dispatcher's Android app you are flexible, mobile and always reachable.

Recording and documentation

Conex™ Voxlog® fulfills all requirements for a modern recording and documentation system for communication processes in control centers, communication centers, vehicles and emergency forces. Audio-, Video- and Data of security related communication processes are documented in compliance with legal requirements.

Analog, digital and IP

Recording and evaluation of analog, digital and VOIP telecommunication as well as radio traffic of analog and digital radio systems (analog radio, marine radio, EDACS, GSM-R, TETRA, DMR, ED-137).

Omni-channel recording

Video systems and surveillance cameras, bodycams, office cams, dashcams etc. are documented in compliance with legal requirements and supplementary information such as call and connection data, geographical information and operation documents.

Dashboard visualization

Complex information can be presented in a personalized and clear manner at a glance. The dashboard enables the following parameters to be monitored and optimized:

- Operating status (logs, status, performance parameters)
- Network performance
- Response time and processing time
- Events

Reports

Evaluation and analysis of performance data from Conex™ TCMS, determination of key performance indicators (KPIs) for operational service.

Integration of analog devices

Join™ VLC is a gateway for integrating analog devices (radio, telephony, decentralized recording) into a modern IP infrastructure. Join™ VLC provides a number of interfaces for different devices. Data streams can be recorded and special features can be processed.

Designs

Due to different designs, Join™ VLC can be integrated into any infrastructure (stationary, mobile). Installation in 19" technology can be implemented using subracks or a 1U variant, which is also suitable for mobile use.

Redundancy / Reliability

The components are robust and ideally suited for professional use, this is made by a decentralized system design. Both designs allow redundant operation of power supply and network connection. The 1U version supports PoE.

Maintenance free

Join™ VLC has no moving parts and is therefore completely maintenance free.



Conex™ SBC

Session Border Controller

Conex™ TCMS

Technical Control & Monitoring System

Conex™ Access

Access control, video surveillance,
time and attendance, visitor management

Voxtronic Service

Satisfied customers are the best
business strategy

Interconnection for critical networks

Session Border Controller provides secure network separation and smart routing of high availability critical communication networks.

Security

Protection against Denial-of-Service attacks (DoS) and Distributed DoS (DDoS), protection against fraud and service theft. Media and signal encryption to ensure confidentiality and prevent identity theft.

Protocol interworking

Conex™ SBC enables interworking between different protocols and codecs. Normalization of SIP headers and SIP messages (Session Initiation Protocol) to reduce incompatibilities.

Quality of Service

Conex™ SBC enforces Call Admission Control (CAC) guidelines, Type of Service labeling (ToS).

Load balancing

Conex™ SBC forwards sessions over network interfaces to ensure high availability.

Recording

Recording of communications at the border to foreign networks that can be used in court.

Monitoring

Provides an overview of all monitored components and displays the current operating status. System messages, user actions and events are logged and clearly displayed.

Configuration

All components are configured through a common user interface. With a few actions, the entire system can be adapted.

Update management

The central repository enables a comfortable update management for software, firmware and operating systems. System components can be updated individually or in any group.

Performance management

The feature allows technical monitoring and optimization of performance parameters (e.g. temperature, speed, ...) of connected system components.

Alarm management

Occurring events can be signaled acoustically or visually. These events can be reported to defined targets via e-mail, SNMP trap, SMS, etc.

One key for everything

Your key not only opens doors, serves as a digital time card, switches the alarm system on or off, but also acts as an employee card or as means of payment for the coffee machine. It does not matter if the key is a card, their mobile phone, a biometric feature, RFID or the license plate of your car.

Intuitive

With intuitive operation and customizable user interface, Conex™ Access offers all the options with reduced training time.

In compliance with legal requirements

Secure legally compliant storage and retention as well as easy management of permissions or access.

Easily expandable and reliable

The robust and flexible design makes Conex™ Access suitable for SMEs, as well as nationwide high availability solutions with complex security requirements, such as: Rights management, and can be extended at any time. Various redundancy variants can be implemented.

Recording of working hours

- Operation time acquisition
- Operating data acquisition
- ERP-Integration
- Payroll accounting system
- Evaluations

Projects

Your project will be customized from project analysis to planning of implementation and sustainable management.

Development

A solution for complex requirements means customization of hardware or software.

Installation

Voxtronic will coordinate the installation in advance with you or advise you on how to optimize the implementation in order to avoid business interruption.

Training

We offer our customers, partners and employees a comprehensive range of training courses up to individual trainings.

Maintenance

Our systems and units work around the clock and still achieve an availability of almost 100%. Our highly qualified service team is available on request 24 hours a day, 7 days a week. For each Voxtronic hardware or software, a Service Level Agreement (SLA) can be completed.

- Maintenance
- Repair
- Standby Service
- Support
- Spare Parts

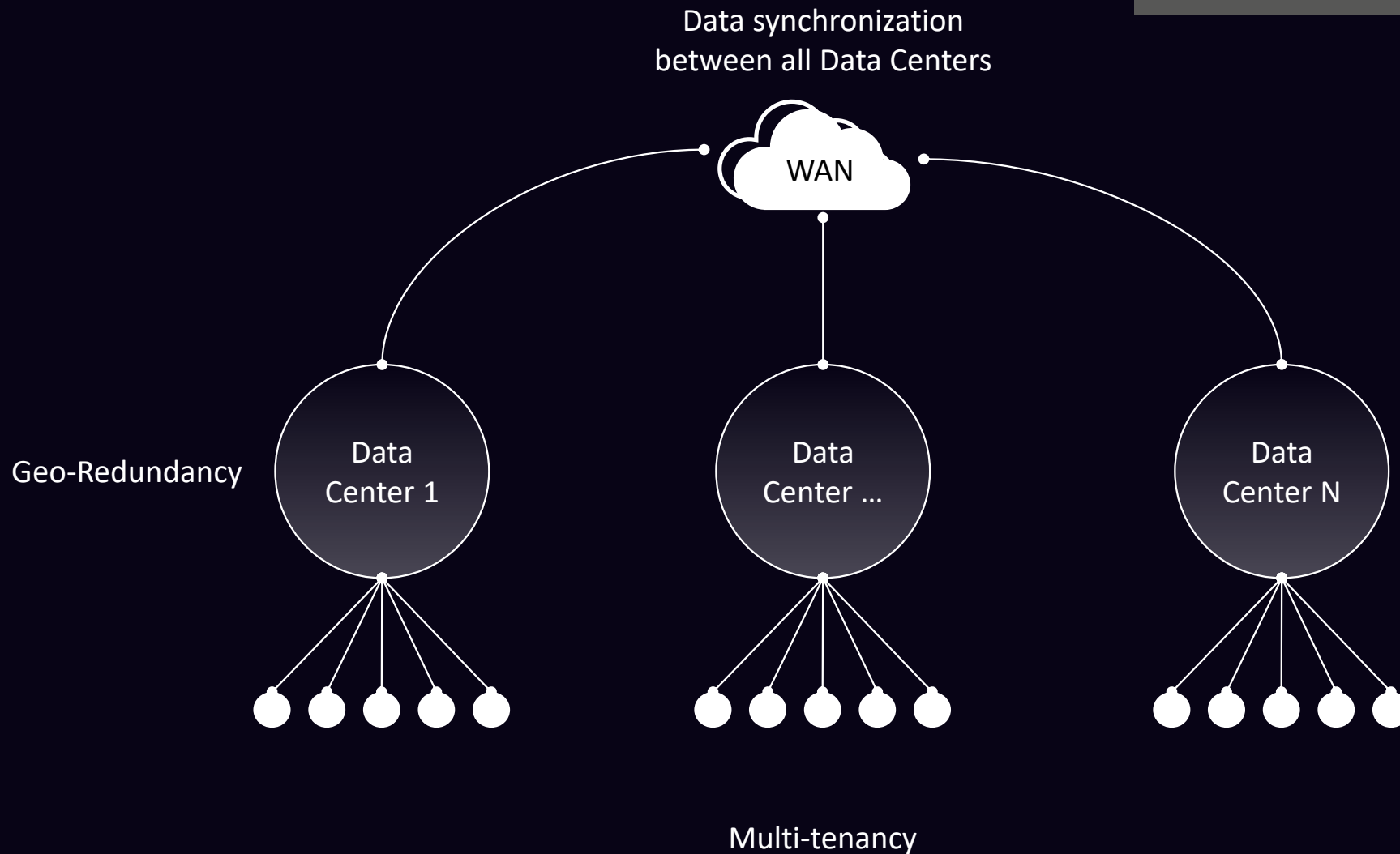
Multi-Site Cluster

Smart Communication.



Scalable and fail-safe

Thanks to its robust and flexible design, Conex™ is just as suitable for individual locations as it is for nationwide high-availability solutions with connection to regional control centers and can be expanded at any time. The intelligent redundancy concept enables maximized availability.



Flexible.

Redundancy

Redundancies can be implemented at every system level:

- Cluster / Geo-Redundancy including any number of locations
- On-Site - Redundancy
- Redundant units and components
- Data redundancy

Scalable

- Expansion through additional resources and performance features
- The size and topology of the systems are logically not limited

Autonomous and decentralized

Central and decentralized system concepts as well as autonomous individual systems and cloud solutions can be implemented.

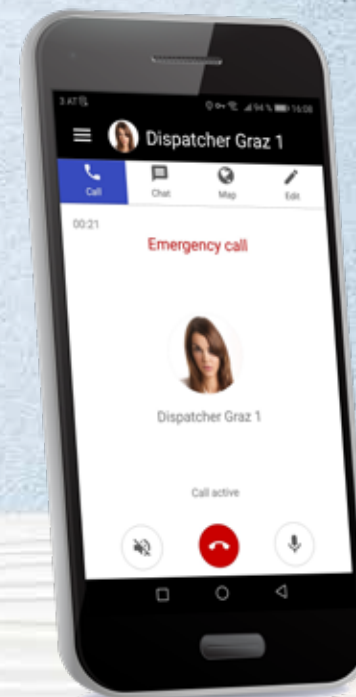


Web-based user interface

The intuitive user interface offers uniform and clear operation, does not require installation and supports all modern browsers.



User Friendly.



Dashboard visualization

Complex information can be presented in a personalized and clear manner at a glance. The dashboard enables the following parameters to be monitored and optimized:

- Operating status (logs, status, performance parameters)
- Network performance
- Response time and processing time
- Events and incidents

Incident management

Incoming emergency calls, incidents and communication processes are documented as evidence of compliance with legal regulations and to clarify communication content. The operation processes are handled in specified steps depending on the type of incident.

Situation map (GIS)

Using the map viewer, users can access live or recorded information, or see where an event occurred.

Workflow management

Supports the user in handling operational processes. These can be defined individually. If an event is recognized, for example, the necessary resources are automatically alerted.

Integration of third-party systems

Conex™ API enables integration via standardized interfaces.

PUBLIC SAFETY

where life is in danger, communication is essential



Industries

Due to its flexible design, the Conex™ platform offers an optimal solution for customers in the safety-critical area. Conex™ increases the security of critical information, reduces the complexity of operational processes, improves the quality of business processes and expands the application possibilities.

PUBLIC TRANSPORT

we keep you on track to arrive on time



Public Safety

- Police, Fire and Life Brigade
- Emergency Vehicle
- Homeland Security

Public Transport

- Railway
- Urban Mobility
- Air Traffic Management

Others

- Facility Security
- Maritime
- Financial Services

OTHERS

smarter, better, faster - Industry 4.0





About us

Voxtronic develops secure communication products and solutions for enterprises with high security requirements and organizations with critical infrastructure for public safety, public transport and industry by using the latest technologies.

Conex™ Platform

- Operator Position - Conex™ Dispatch
- Air Traffic Communication - Conex™ VCCS
- Documentation of Communication Processes - Conex™ Voxlog®
- Technical Control & Monitoring System - Conex™ TCMS
- Session Border Controller - Conex™ SBC
- Gateway - Conex™ Gateway
- Data Analysis - Conex™ Analytics
- Access Control & Time and Attendance - Conex™ Access

Join™ VLC

Join™ VLC is a analog- and ED-137-Gateway for integrating analog sources into a modern IP infrastructure.

Voxtronic Service

- Projects
- Development
- Installation
- Training
- Maintenance

Certificates

- ISO 9001
- ISO 14001
- ISO 27001
- DMR Association Member

Voxtronic.

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