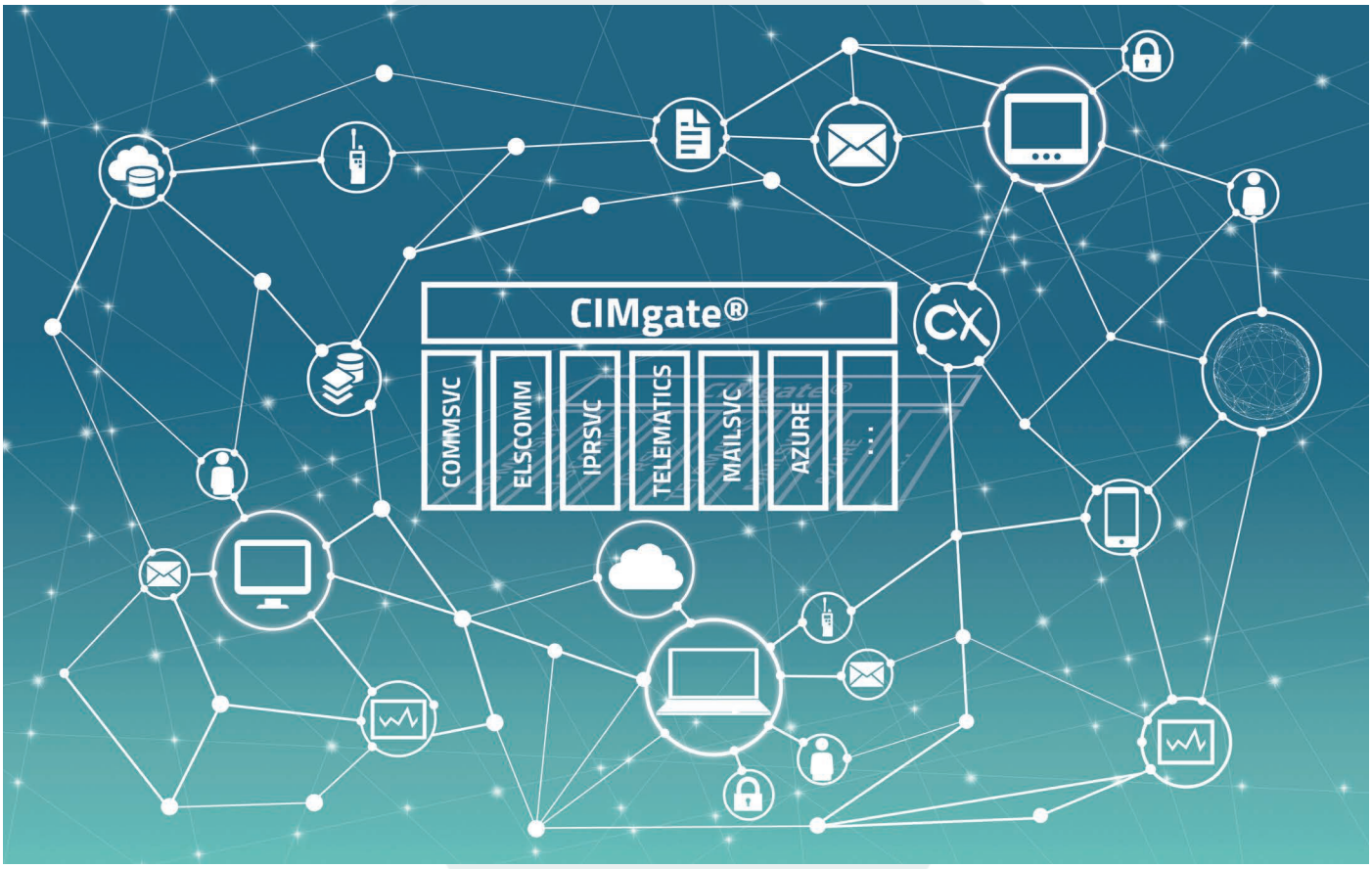
CommandX

CIMgate.CONNECT

CIMgate.CONNECT is the heart of the CommandX platform and supports over 80 agents and connectors to third-party systems, making it easy to use existing standard interfaces or implement new ones. CIMgate.CONNECT includes the standard BOS API according to DIN SPEC 91287, with data exchange taking place event-based and in real time. By using HASH codes, the data exchange in CIMgate.CONNECT is minimised as much as possible. For this purpose, incoming and outgoing data is validated and unchanged information is automatically filtered and not transmitted.



- All common API protocols
- Minimising data exchange
- Resource Types Interpreter, Parser
- Event-based and in real time
- Standard BOS API
- Decentralised data synchronisation

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All common API protocols

CIMgate.CONNECT supports over 80 standard agents and connectors to third-party systems. All common API protocols such as gRPC, RESTful, WDX3, ACP, SOAP and SQL are supported. The secure and encrypted transmission of data and information can take place here both one- and bidirectionally.

Minimising data exchange

All incoming and outgoing data and information are subject to precise validation. This means that every piece of information is precisely checked and unchanged data and information is not forwarded at all. This leads to an enormous minimisation of the entire data exchange.

Resource Types Interpreter | Parser

With the Resource Type Interpreter included in CIMgate. CONNECT, all incoming resource types are adapted to the resources available in CommandX. As with the FMS Status Interpreter, it is possible to delete and add resource types in the Resource Type Interpreter and to import and export them.

Decentralised data synchronisation

Characteristic features of CIMgate.CONNECT are its reliability and high level of fail-safety. To ensure this, the CIMgate.CONNECT works with decentralised data synchronisation without having to rely on hosting on third-party servers. All data and information is encrypted and stored securely.

Telemetry data, event-based and in real-time

The real-time and event-based transmission of data and information, including all telemetry data, integrates seamlessly and without latency into the overall structure of the CommandX applications. Mobile units can be seamlessly integrated via the TELEMATICS service. By connecting various sensors such as CAN bus, it is possible to control and monitor vehicles and stationary systems.

Standard BOS API

CIMgate.CONNECT contains the standard BOS API and control centre interface as specified and described in DIN SPEC 91287. In addition to the master data of the operation, the dispatched resources including current status and position data can also be transmitted via this interface. Feedback from the operations control system can also be transferred to the CommandX reporting system.

Heart of the CommandX application

The CIMgate.CONNECT has a variety of different connectors to Tetra digital radio, control centre systems, mail applications and many more. With full integration of TETRA SDS, it is possible to display and pass on the status and location of the individual units and vehicles, as well as to send and receive text messages. In addition, alarms can also be generated and sent with the Mail Connector. As a gateway with these functions, CIMgate.CONNECT is the heart of the CommandX applications and is the internal bus system (core) for the hybrid cross-platform CommandX. The web-based cloud service can be hosted on premise via the Internet or provided in your intranet.