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Logistiikkaverkosto

BCB|sec
BLOCKCHAIN BUSINESS SECURITY

HIIVA

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HiavaNet+ – *ITEA case – Open Source Software interface*

ITEA (OFL) Project requirements and main considerations

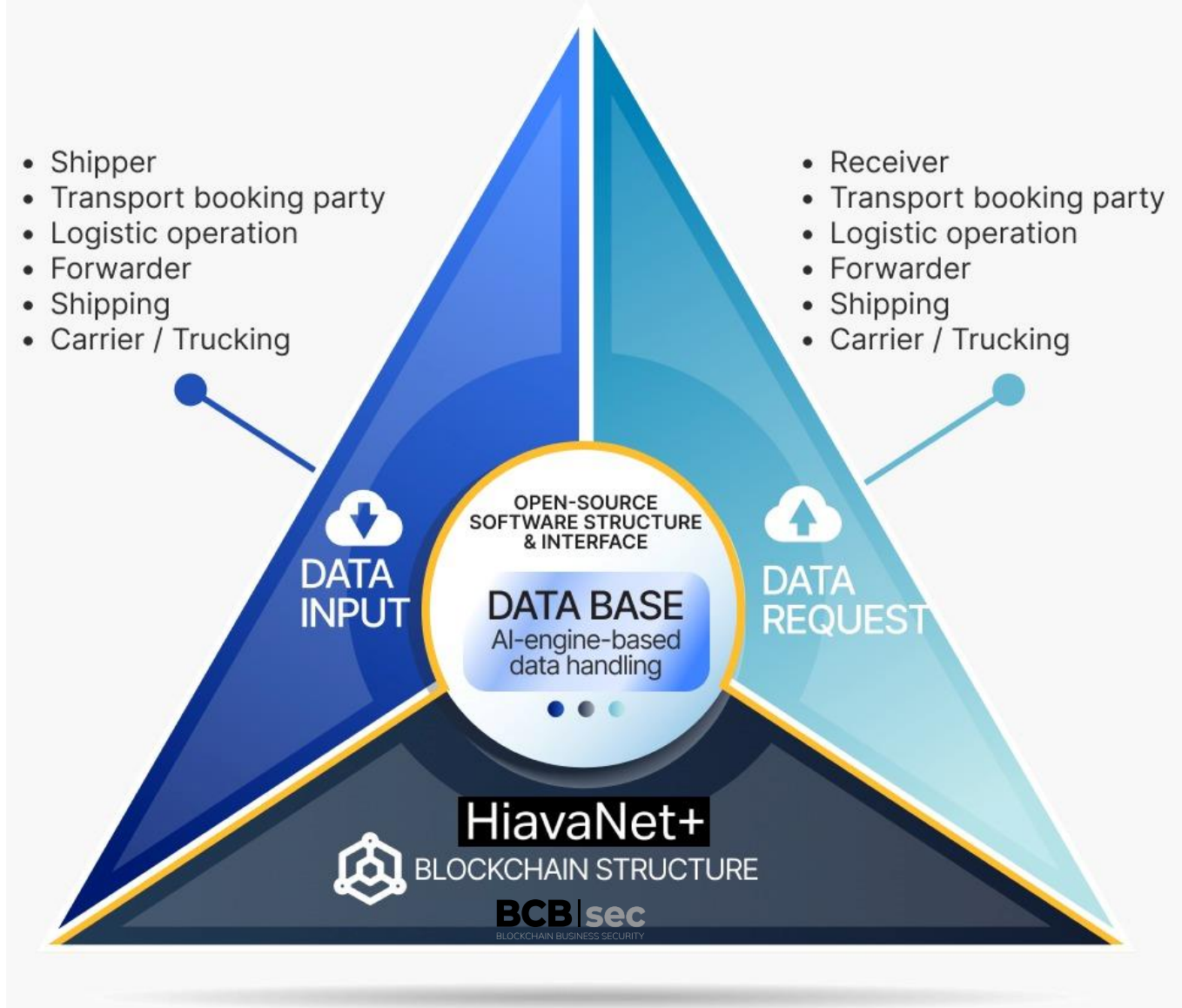
- Visibility through out the supply chain and within separate parties
- Smart agreements
- Anti-fraud and traceability credibility
- Predictability and forecasting
- Data availability and integration connectivity



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HiavaNet+ – ITEA case draft - OSS



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HiavaNet+ – ITEA case draft – Overall structure & Use case

Shipper and Receiver



Connector of logistics data flow



Logistics operations

Transport tracking and management of execution

Company given information
Features
Tracking
Dashboards and reports

Comprehensive software solutions and connections of the data transit

API-interface

Automated update

PlugIn connection

Reports and metrics

Portal use

Status information

HiavaNet+



OSS

Posti
Kaukokiito
Matkahuolto
Schenker
LP / Pakettipiste

Other and small transport companies

Global operators

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Blockchain structure



BCBsec – ITEA Case Draft - Blockchain Structure



Key benefits and success features

- Immutable Ledger
- Seamless Integration
- Open-Source Interface
- End-to-End Traceability
- Transparent Auditable Trail
- Selective Visibility
- Smart Contract Automation
- Empowering SMEs
- Fostering Collaboration



HiavaNet+ – Blockchain Business Security // *OSS benefit*

Supply Chain data management and handling solution

- Improve traceability and tracking of logistics data
- Following up actions and activities
- ICT and data security
- Increasing predictability and forecasting
- Combining requirements from separate parties of Supply Chain data, information, features/actions and its predictability into one smoothly working structure

VISION: Open yet reliable follow and tracking of materials through supply chain flow within separate, but through material/data connected, parties of the material flow



HiavaNet+ & BCBsec – *ITEA Use case description*

Supply chain Open Source Software Use case description

Shipper and sender party order transportation, so create booking for certain decided transportation method.

Carrier/carriers (may be multiple parties), who operates the delivery, makes transport: pickup goods (truck), transport it to terminal (land/sea/air cargo), loads main line transport unit (container, trailer, air freight unit), operates transportation from terminal to terminal, receiver terminal unload, possible transport to distribution terminal or logistics/distribution terminal/end receiver. If distribution terminal is used, transport step (delivery) to end receiver from distribution terminal is made.

Receiver handle the delivery acceptance / goods receiving accordingly, so system level handling and information management, possible sharing

VISION: Open yet reliable follow and tracking of materials through supply chain flow within separate, but through material/data connected, parties of the material flow



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Thank you!