



Closing the gap in stroke care:

How *StrokePointer*TM merges EEG Biosensing and ML at the ambulance

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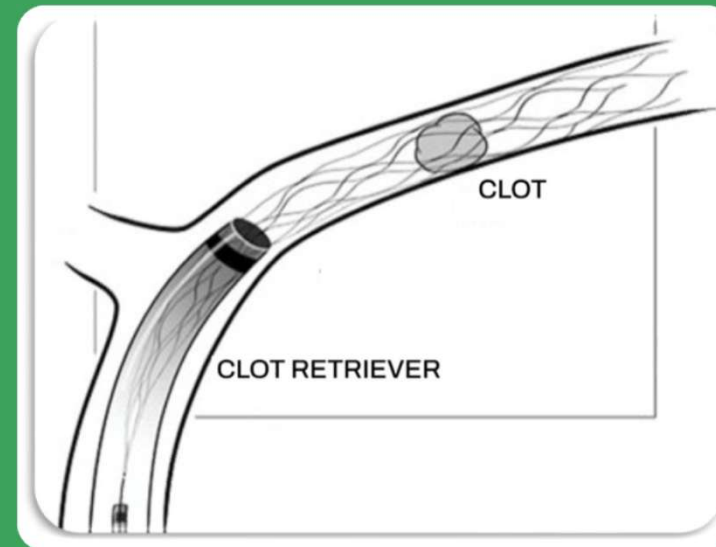
Clinical Affairs

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LVO stroke treatment



*Every
Second
Counts*

In case of a large vessel occlusion stroke, a blood clot blocks a major blood vessel feeding the brain.

This clot needs to be removed mechanically as soon as possible, using endovascular treatment.

The deadly detour

without StrokePointer

Ambulance



Closest hospital



Comprehensive stroke center



Direct to treatment

with StrokePointer

Ambulance



Comprehensive stroke center

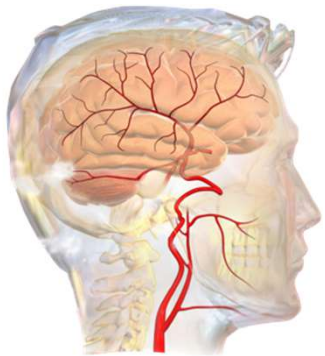


Direct transport
60 minutes faster

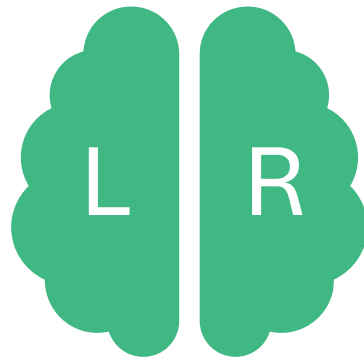


+ Direct to Angiography
30 minutes faster

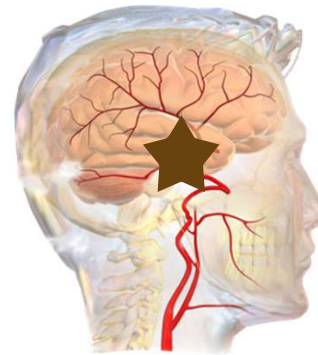
Rationale for EEG



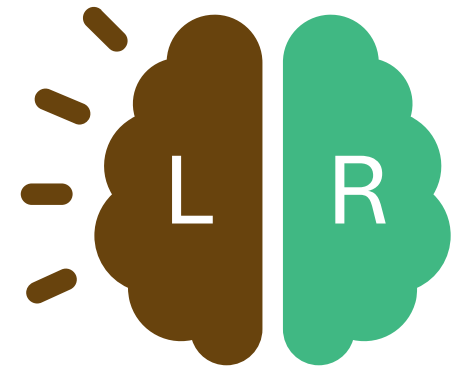
Healthy brain perfusion



Symmetric
brain activity



LVO stroke



Asymmetric
brain activity

- 1 Suitcase
- 2 Wall mount
- 3 Headset
- 4 Software

Built with those who respond first

StrokePointer™

Portable
Lightweight
Small: fits in every ambulance
Always charged and ready to use



Wall mount + Power connector



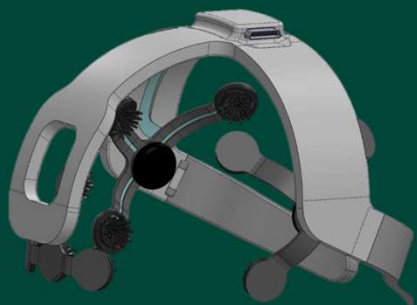
Power button screen



Connector cable

Focus on physical usability

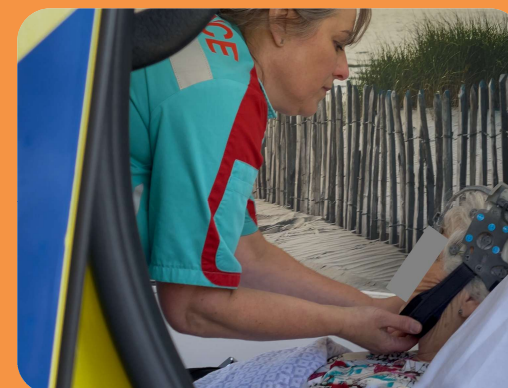
Dry EEG:
fast application



Minimalistic,
intuitive design

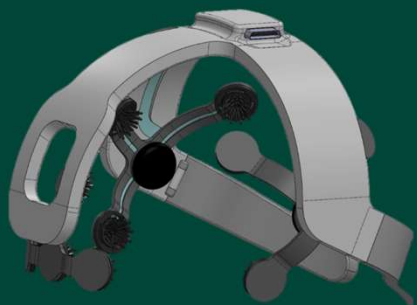


Validated in
the ambulance

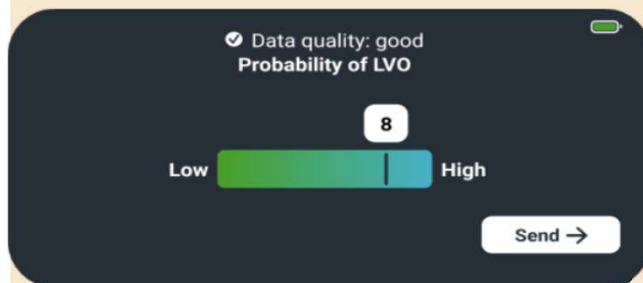


Focus on physical usability

Dry EEG:
fast application



Minimalistic,
intuitive design

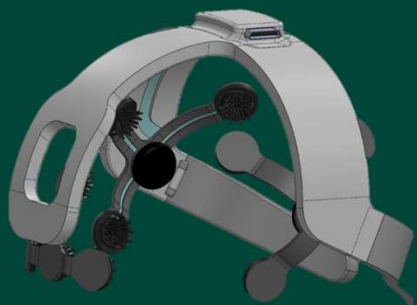


Validated in
the ambulance

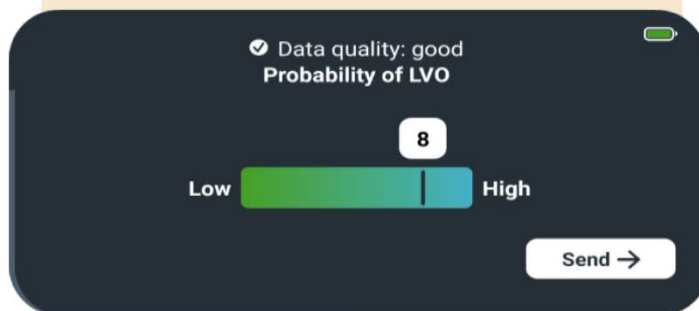


Focus on physical usability

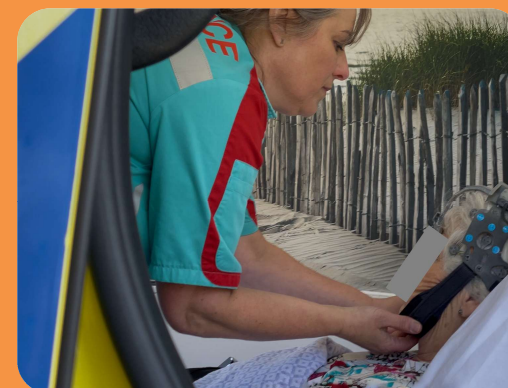
Dry EEG:
fast application



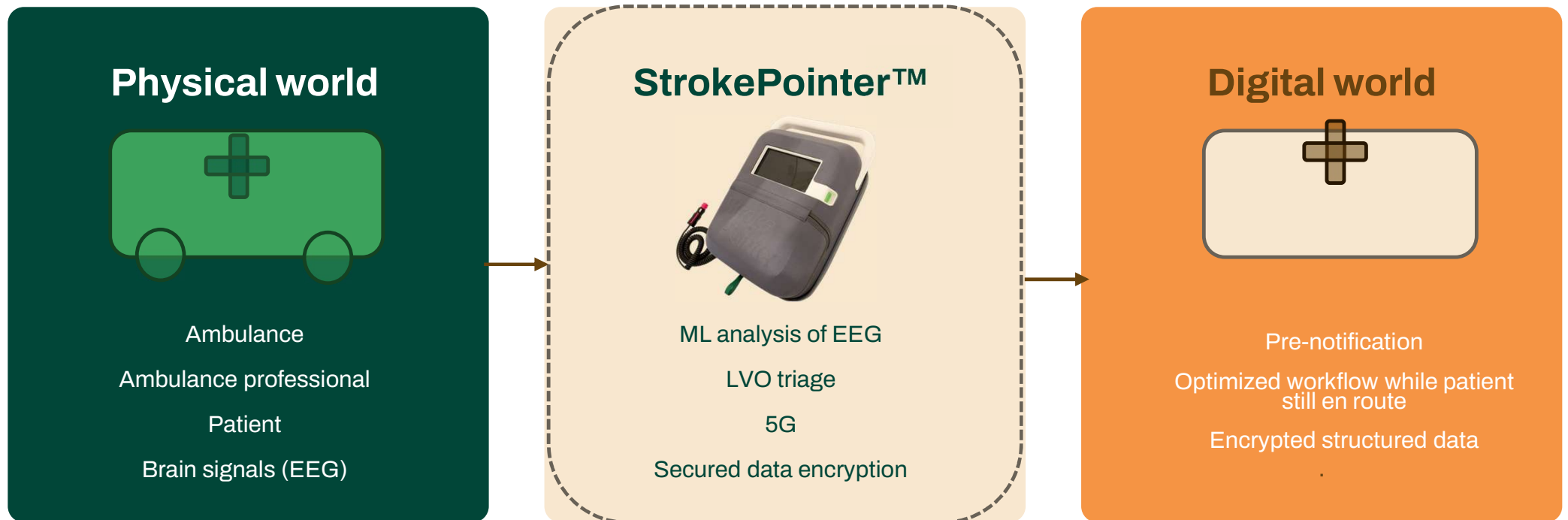
Minimalistic,
intuitive design



Validated in
the ambulance



Bridging the Cyber-Physical Metaverse



StrokePointer™ — architecture

Device

StrokePointer™

No BT · NFC · USB

Cellular only

MDM managed

Approved apps only

Real time
decision support

LVO score displayed

No login | No data

Data deleted after upload

Network

Private APN on KPN

Trianect-only traffic

Private APN · 4G/5G

Approved devices only

Token-gated public API

Cloud

Azure · scalable

One backend for activation

All devices

Strict client separation

Per-client storage

Per-client EEG database

Raw data + PDF generation

Integration

Seamless · zero friction

Hospital EHR

Raw data + PDF

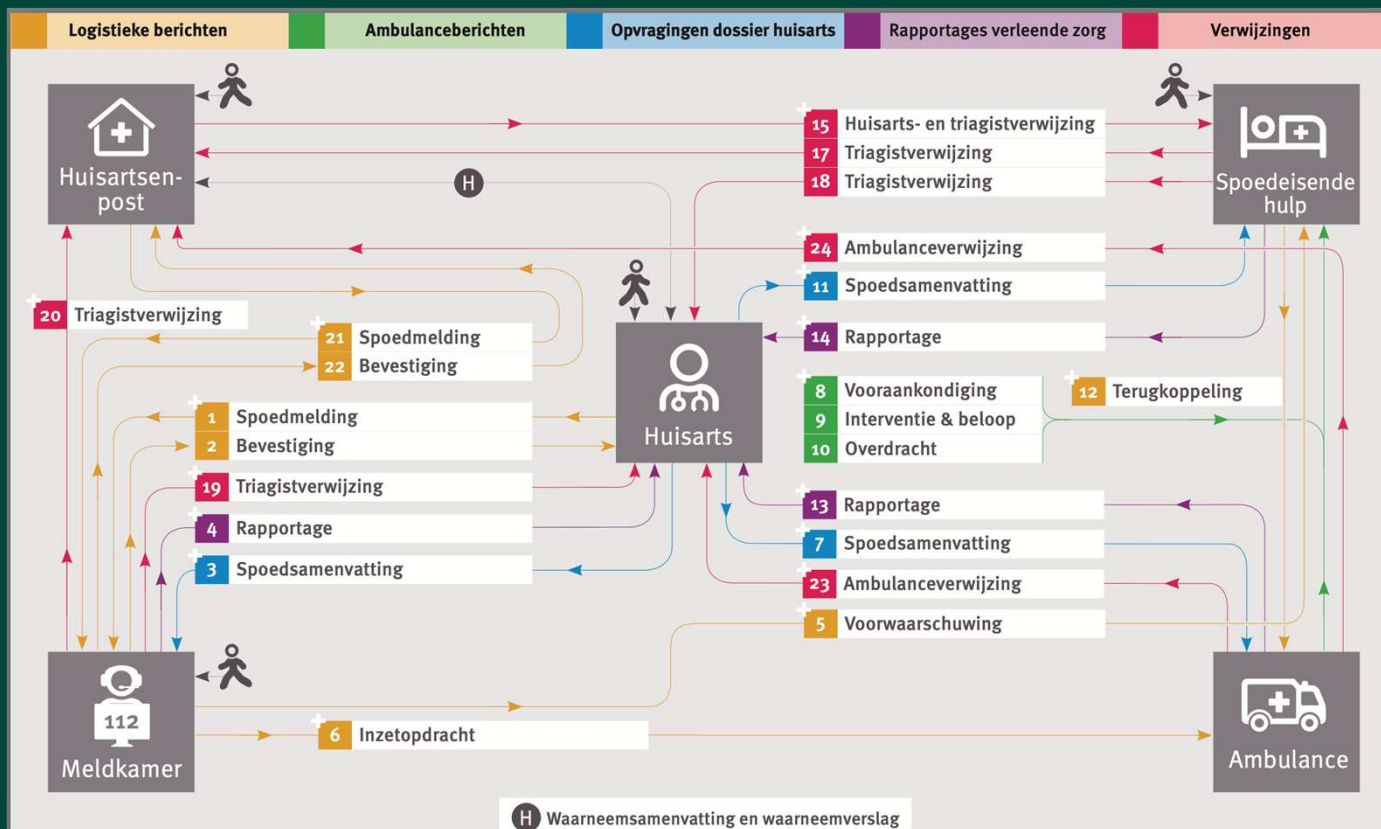
Ambulance EHR

Raw data + PDF

Cyber
Physical
Metaverse

Information exchange in acute care

A complex landscape



“Richtlijn gegevensuitwisseling acute zorg”

becomes field standard in the Netherlands

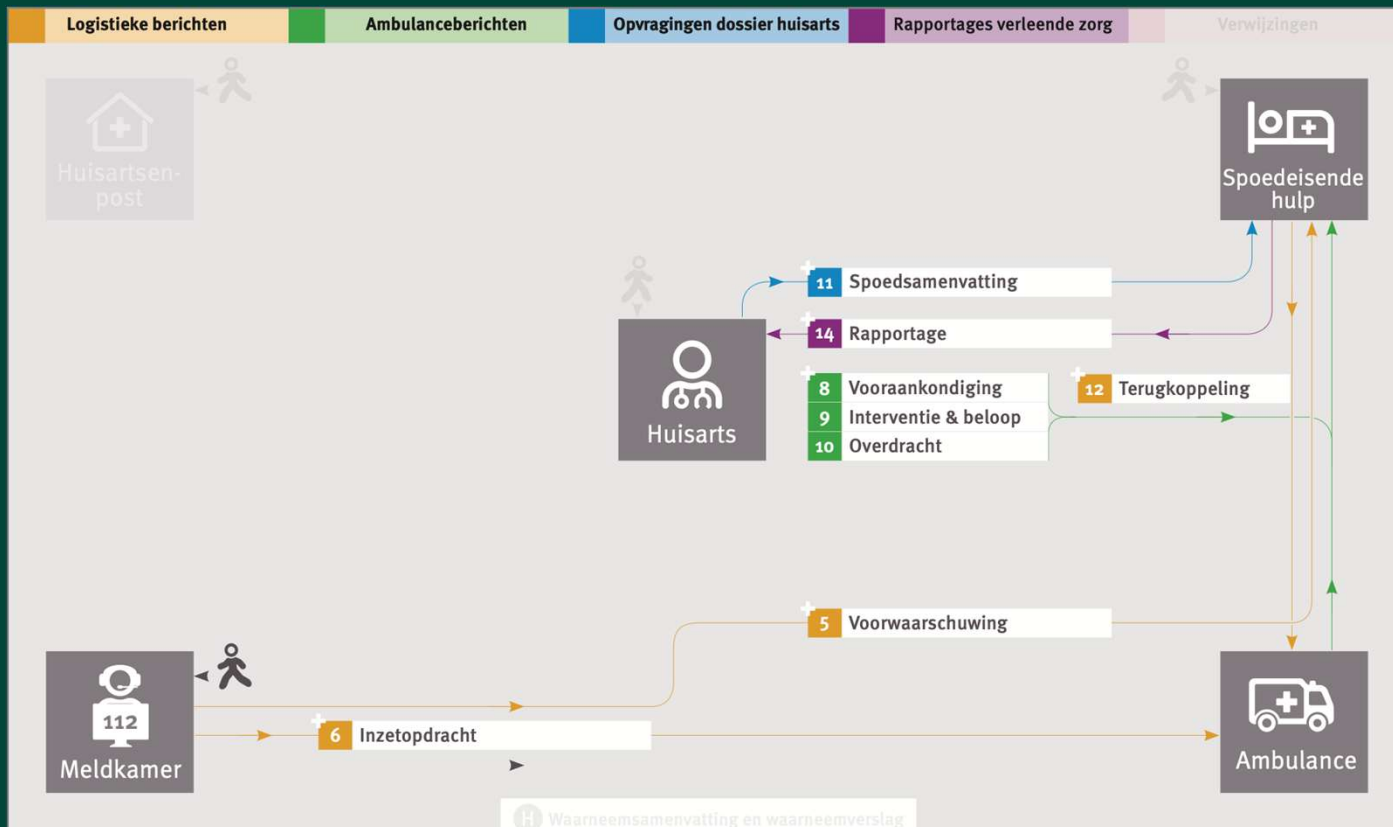
2020

Supported by:

- Branche organisations
- Healthcare professional
- Acute care providers
- Gouvernement (VWS)
- Health insurers
- Hospitals
- Nictiz

Information exchange in acute care

Example of a 112 call



MESSAGE 9:
Intervention & Clinical course

MESSAGE 12:
Feedback

Message content
HL7 message standard (XML)

Send reference to
measurement location

OR

Encode PDF in the XML file

**Guideline Information exchange
acute care [in Dutch]:**

<https://nictiz.nl/app/uploads/2014/07/Richtlijn-Gegevensuitwisseling-acute-zorg-versie-4-2022.pdf>

Allowed attachments

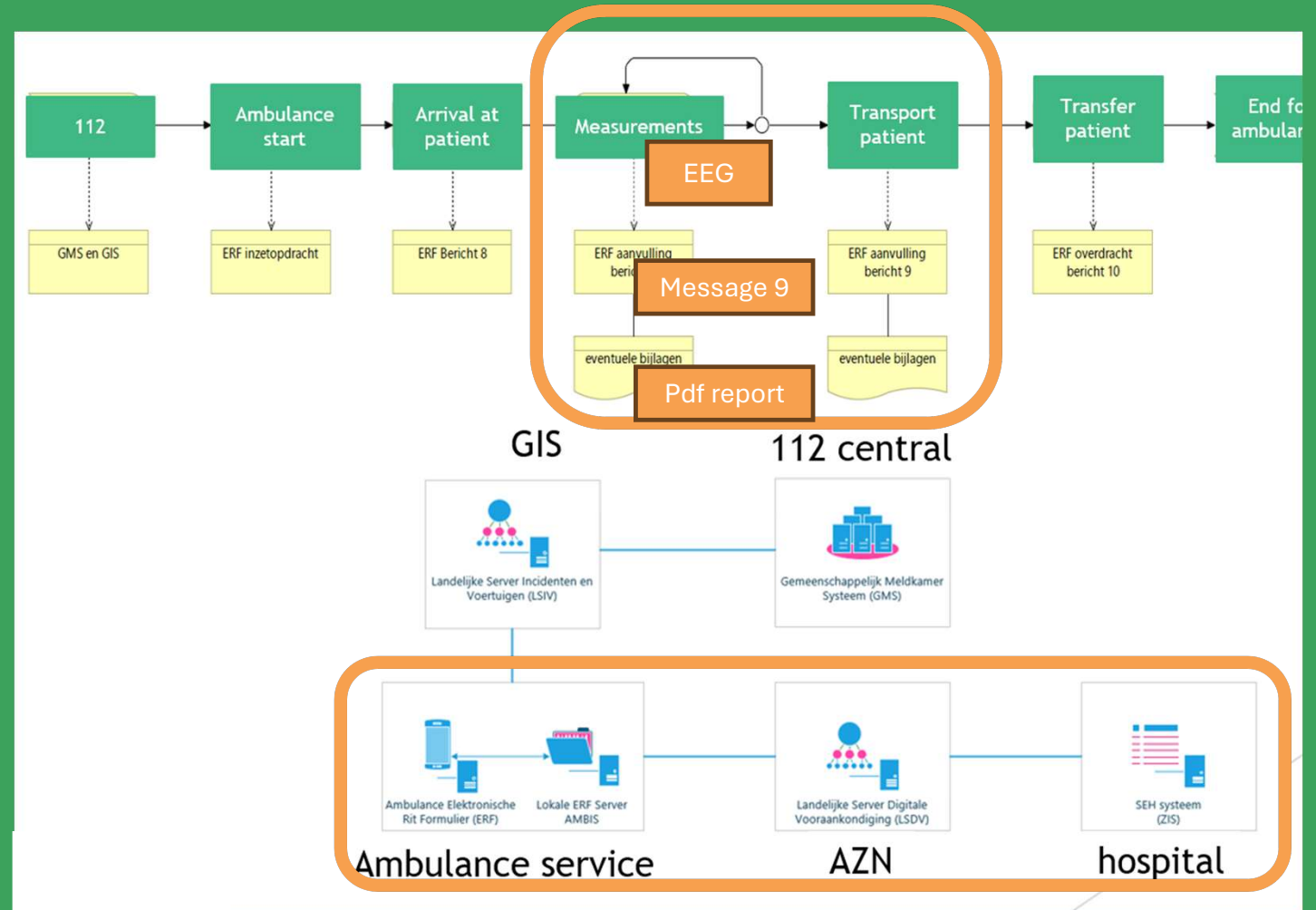
Code	Weergavenaam
001	12 afleidingen ECG
002	ritmestroom
003	advies patient
004	cardiologisch begeleidingsformulier
005	IBS/CM
006	intern rapport/overdracht
007	niet reanimeren verklaring
008	patient weigert hulp
009	RM/ZM
010	eerste hulp, geen vervoer
011	foto
012	video

013 Prehospitaal EEG (per 2025)

*Data
Speed
Survival*



Messages during ambulance transport



Current roll out status



Implemented



Not implemented (yet)



Unknown

52%

(per Sept'25)

Open challenges



EU cloud migration

We use Azure blob storage & Azure Apps. How do we move to an EU sovereign cloud — and which parties would you suggest?



Secure connections

How do we make device-to-cloud connections more secure without adding VPN complexity and errors that come with it?



Closing the feedback loop

How do we get the final diagnosis back from the hospital — requested by ambulance crews and critical for model improvement?

StrokePointer™
early triage
no delay




info@trianect.com | trianect.com

**STROKE POINTER
EARLY TRIAGE
NO DELAY**



 **Trianect[®]**

Momentum



2026
ISO 13485 certified
Largest pre-hospital EEG database

Q3-4 2026
StrokePointer in 3 EU countries

2027
CE certification
EU launch

 Umbrella

 Funded by the European Union

 POC4TRIAGE

 CROSSROADS

 Netherlands Enterprise Agency

 ITEA4