

TransnetBW – Innovative electricity hub in the heart of Europe

- » Independent transmission system operator
- » 1,205 employees
- » Annual electricity consumption (gross): 74 TWh
- » 3,100 km of power lines
- » 11 GW maximum load in Baden-Württemberg
- » 50 substations
- » 11 m customers
- » 34,600 km² of transmission grid



SuedLink – The Wind Power Line

- » **SuedLink is the largest infrastructure project of the energy transition in Germany**
- » High-voltage direct current transmission (HVDC), underground cables
- » Flexible transmission from north to south or south to north



700 km



10 m
households

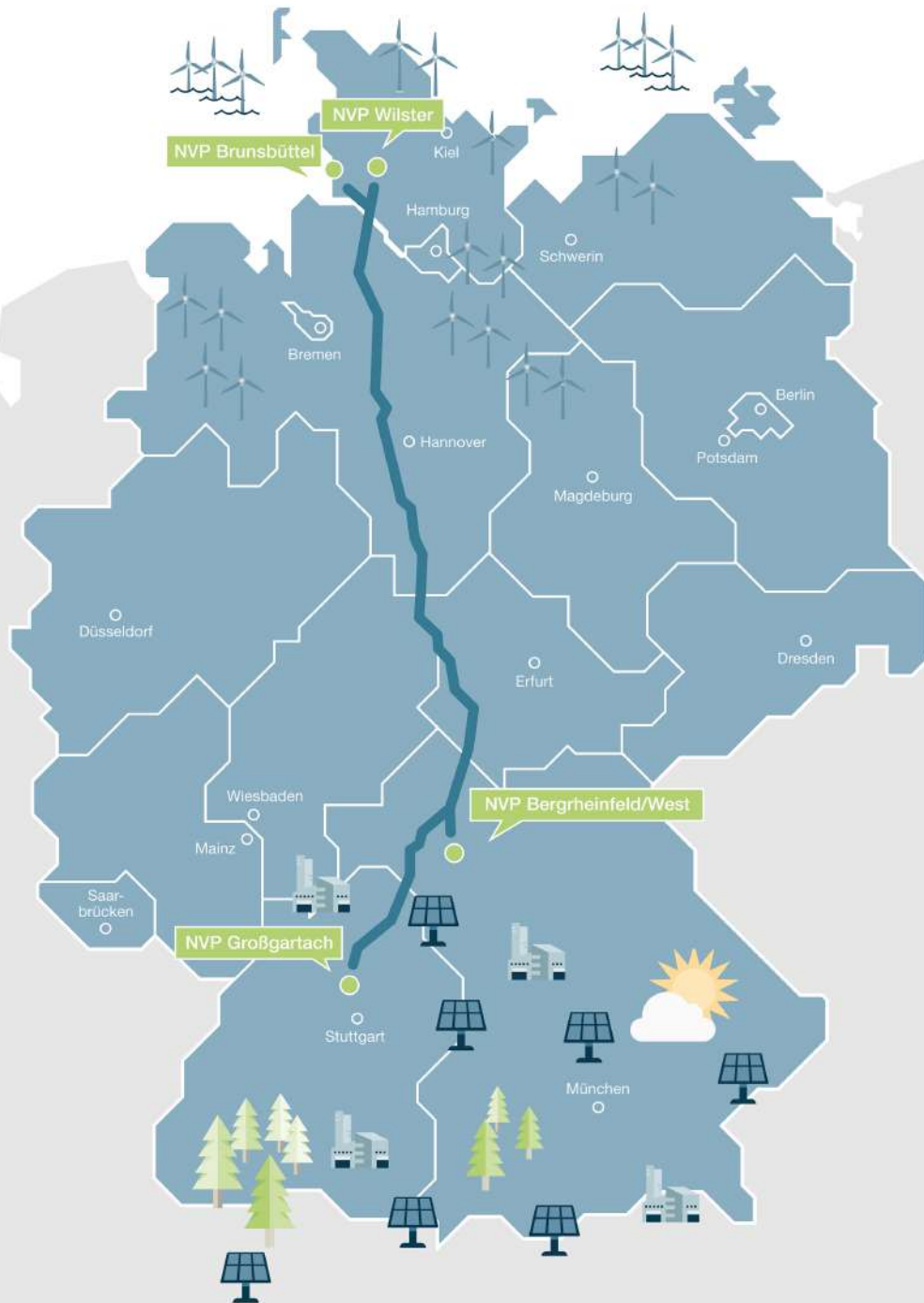


4 GW



525 kv voltage
level

» SuedLink will ensure a stable power supply



TenneT at a glance – Safe grid operation between the coast and the Alps

- » 24,500 km of high-voltage power lines
- » 17 connected offshore wind farms
- » 42 m customers
- » 99.99% grid availability and security of supply
- » 17 interconnectors
- » 6,220 employees
- » 23 b € in assets
- » 3.9 b € in annual investments





SuedLink: A project of common interest

- » So-called “projects of common interests” (PCIs) are EU cross-border energy infrastructure projects
- » They aim to contribute to the functioning of the internal energy market, security of supply, development of renewable energies, and energy efficiency
- » SuedLink is of central importance to the European internal market and will help to ensure that German electricity consumption does not burden the grids of neighbouring countries (e.g. Hungary, Poland, the Czech Republic and Slovakia)
- » PCI projects are eligible to receive EU funding
- » SuedLink will receive around €40 million from the funding pool



SuedLink



North

| Section A

| Section B



South

| Section C

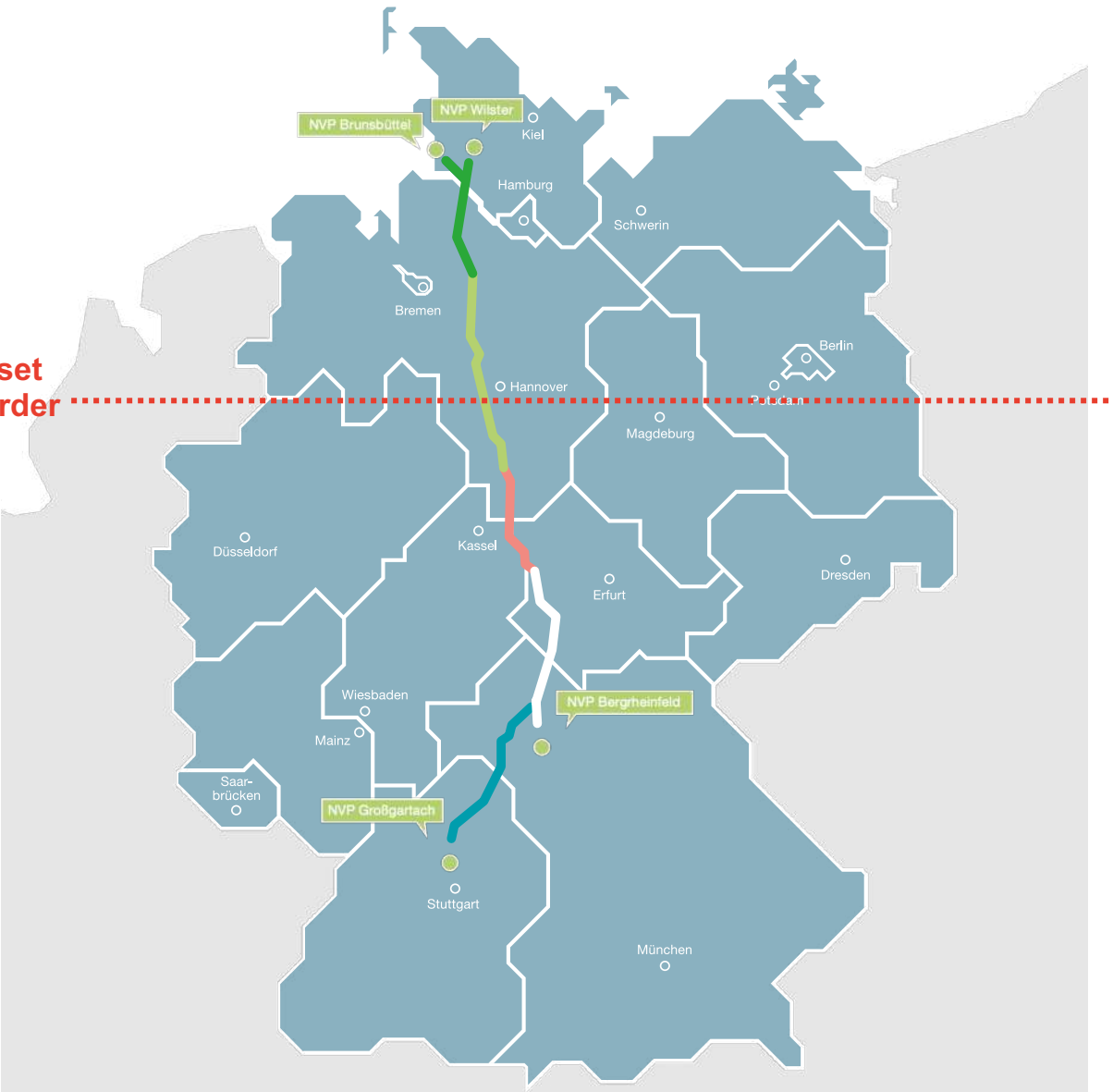
| Section D

| Section E

TenneT and TransnetBW are each responsible for 50% of the project volume

TenneT is the sole owner of the northern part and TransnetBW is the sole owner of the southern part of SuedLink [with the exception of the converter station at the Bergtheinfeld-West grid connection point (NVP)].

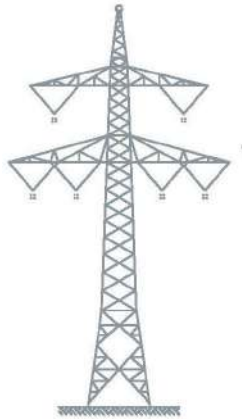
Asset Border



A look back

From overhead lines to underground cables

Legislative background: Priority for underground cables



Since
2013

Original plans call for overhead lines

End
of
2015

Both houses of Germany's federal parliament vote to prioritise underground cables for DC projects

April
2016

As different planning rules apply for underground cables, the Federal Network Agency (BNetzA) issues a methods paper

Autumn
2016

Environmental planners from the SuedLink consortium (ARGE) provide initial proposals for possible underground cable corridors

Since then

Continuation of planning with the goal of having: **100% underground cable**



New legislation

» December 2015: The Act Amending Provisions of the Law on Power Line Construction gives general priority to underground cables in the building of new direct current (DC) transmission lines

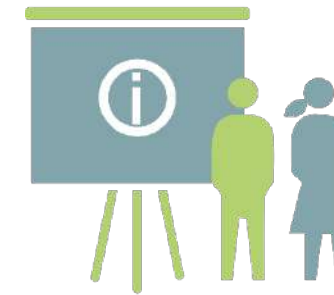


A look back: Federal sectoral planning SuedLink's corridor is fixed over 700 km



13.659
Bürgeranfragen

1.216 Briefe
2.794 E-Mails
2.000 Anrufe
7.649 Online-Anfragen



689 Veranstaltungen



19.000
planungsrelevante
Hinweise

wurden im Rahmen des ersten
Genehmigungsverfahrens bearbeitet,
geprüft und beantwortet.



106
untersuchte
Tierarten

darunter Vögel, Fledermäuse,
sonst. Säugetiere, Reptilien, Amphibien,
Schmetterlinge und Käfer

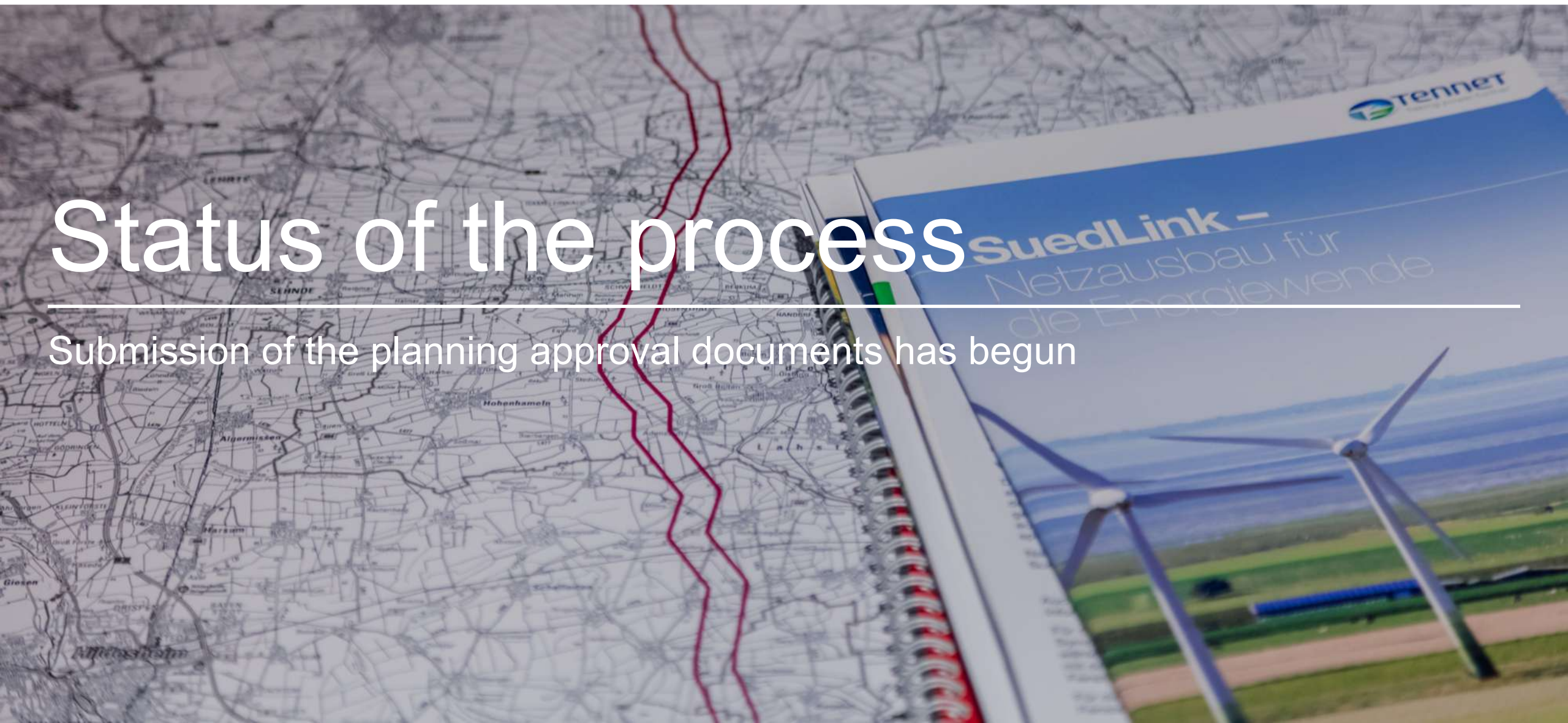
Über
70.000
belegte Brote



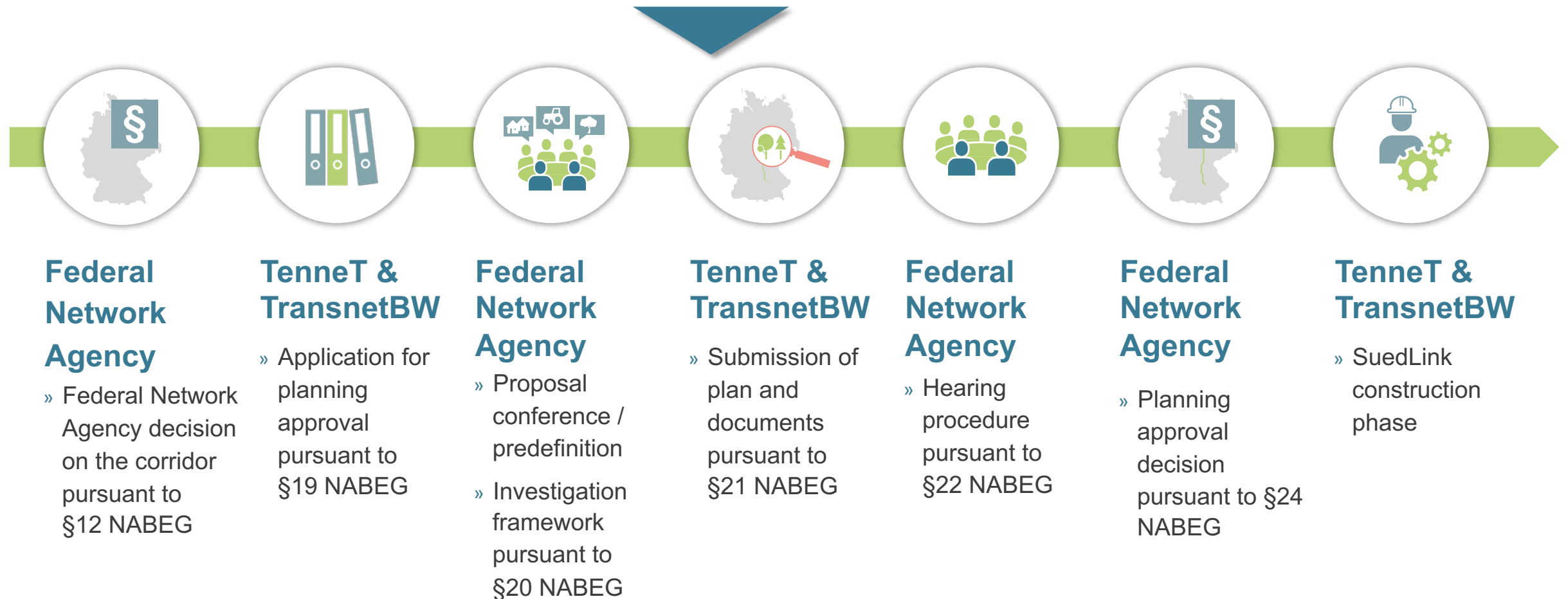
Mehr als
80.000
gefahrte Kilometer

Status of the process

Submission of the planning approval documents has begun



Where we are in Section X & what comes next



Regelprofil: Stammstrecke 525 kV



Regelprofil: einfache Strecke 525 kV



Possible laying methods: Soil and environmental protection

Open laying method



Closed laying method (e.g. horizontal directional drilling; microtunnels; E-Power Pipe)



Other laying methods (e.g. milling method; ploughing method [in testing])



Open laying method: Construction process



Removal of topsoil

- » Excavation of topsoil
- » Temporary storage
- » If necessary: covering with plants and grass; protection from drying out or blowing away

Preparation of trench profile

- » Excavation of subsoil
- » If required by law: separate storage of different layers of soil
- » If necessary: installation of temporary water drainage system
- » Insertion of cable bedding

Cable pull

- » Transport of cable spool
- » Pulling of cable into the trench

Open laying method: Construction process



Jointing

- » Installation of jointing containers
- » Assembly of jointing
- » De-installation of jointing containers
- » Backfilling of the bedding material around the jointing

Backfilling of the trenches

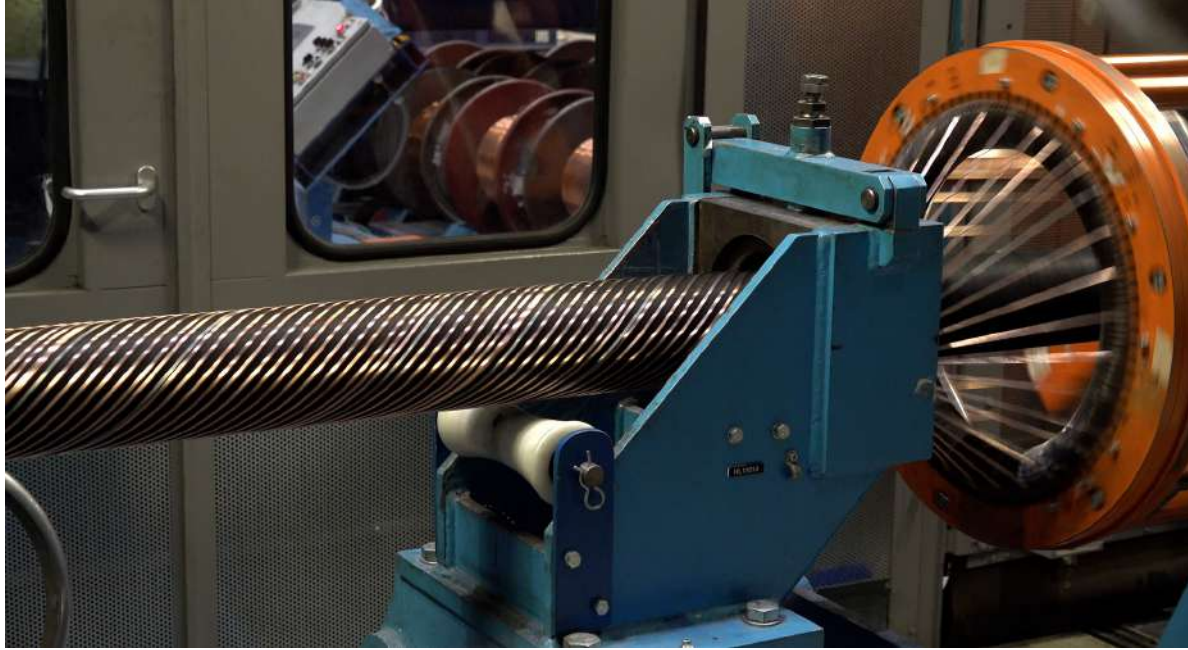
- » Backfilling of the bedding material around the cable
- » Insertion of protective plates
- » Backfilling of the subsoil
- » Insertion of cable line warning tape
- » Insertion of the rest of the sub- and topsoil
- » Check to see if soil has been properly replaced (compaction test)

Recultivation

- » Surface restoration
- » If necessary: fertilization
- » If necessary: new seeding

Post-construction land use

- » Agriculture and animal husbandry possible
- » No development or deep-rooted woody plants



Cable production

» Cable dimensions:

- » Total length of both projects: 2,420 kilometres
- » Length of cable segments: 1,000-2,000 metres
- » Diameter: approx. 15 cm
- » Weight: 41 kilograms per metre

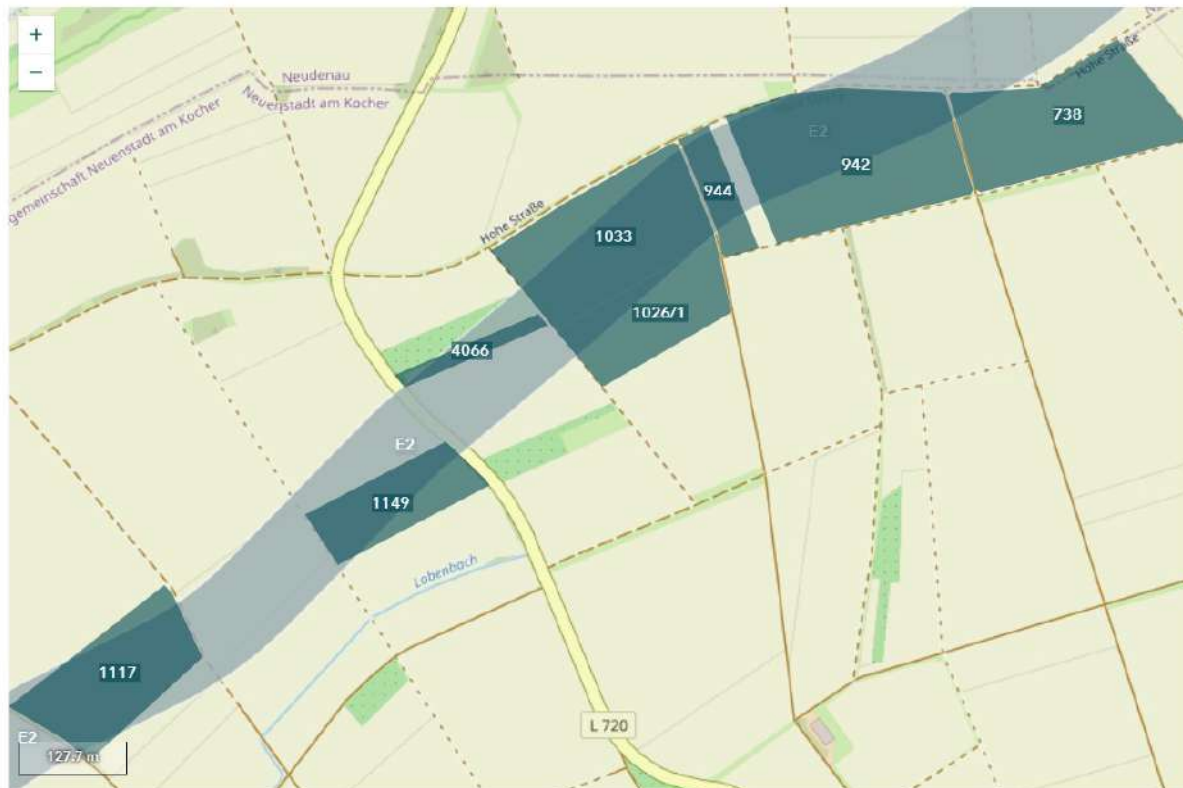
- » Cables in production since April 2022 at NKT in Cologne and Karlskrona (Sweden) for Brunsbüttel-Leingarten (DC3)
- » Prysmian is producing the cables for Wilster – Bergrheinfeld (DC4) at its locations in Gron, Montereau (both France) and Pikkala (Finland)
- » Once completed, transport by ship and low-bed truck to intermediate cable storage facilities
- » Manufactured 100% with renewable energy

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Meine eingereichten Hinweise  

HALLO ERIKA MUSTERFRAU





MEINE FLÄCHEN/FLURSTÜCKE


Suche Filter:  


Baden-Württemberg | Stein | 000 | 1026/1 

Flurstück


 Erika Musterfrau
Eigentümer*in


 Erika Musterfrau
Bewirtschafter*in


 **Voruntersuchungen wurden angekündigt.**

Baden-Württemberg | Stein | 000 | 1033 


Flurstück


 -
Eigentümer*in


 Erika Musterfrau
Bewirtschafter*in

Baden-Württemberg | Stein | 000 | 1117 

Flurstück



 -
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 Erika Musterfrau
Bewirtschafter*in

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Flurstück

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Meine eingereichten Hinweise  

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Aktueller Planungsstand
Hinterlegte Unterlagen & Daten
Hinweise

Q4 2023

Inbetriebnahme SuedLink

15.02.2022

Ankündigung Voruntersuchungen
Kartierung
Ankündigungszeitraum: 07.03.2022 - 03.06.2022

Hinweis hinzufügen

Q1 2022

Start Kartierung


15.12.2021 17:00

Glühweintrinken
📍 ganz besonders Gebäude, , 12345

Q4 2021

Start archäologische Voruntersuchungen

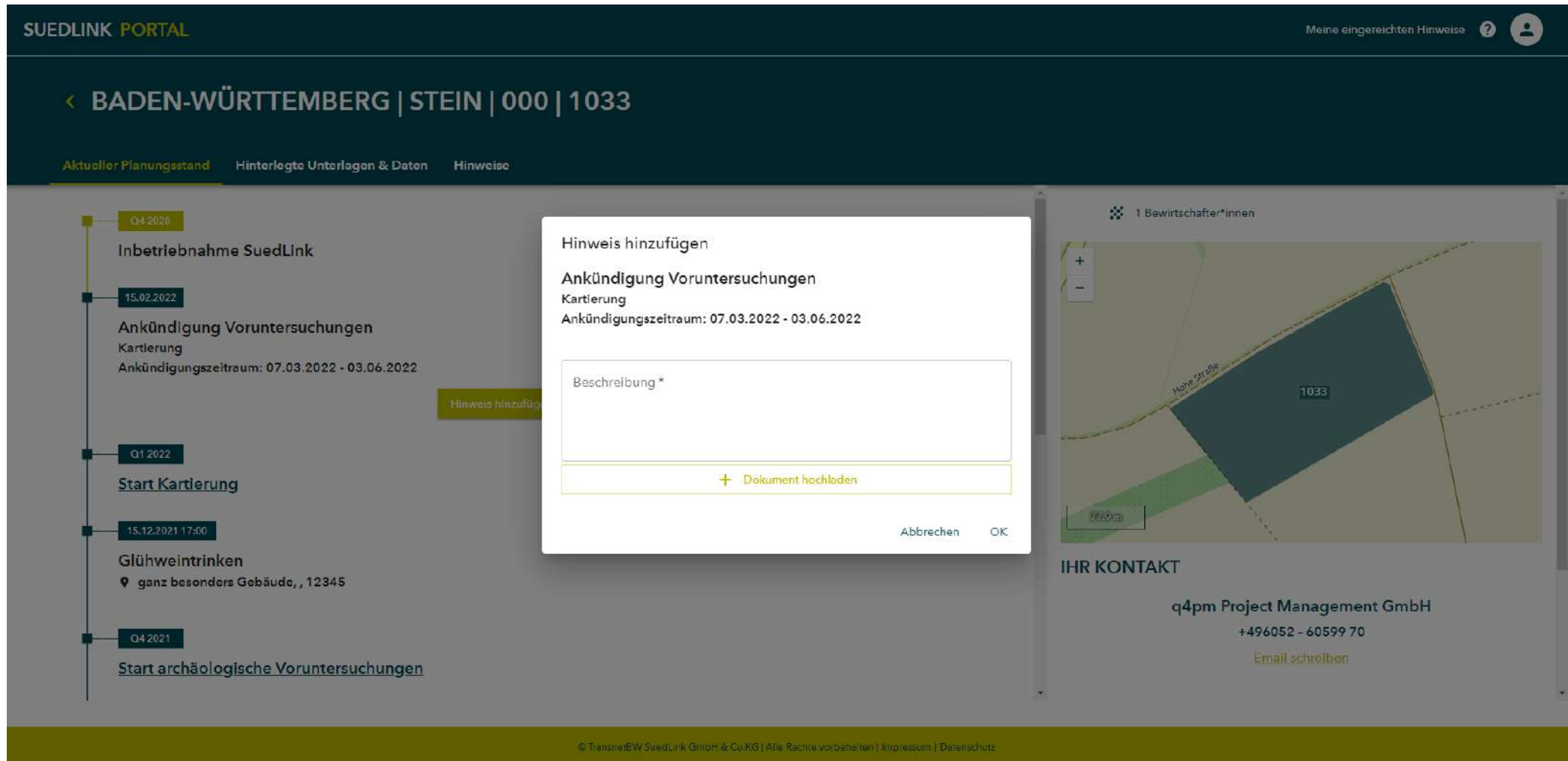
🗺️ 1 Bewirtschafter*innen




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SUEDLINK PORTAL Meine eingereichten Hinweise ? 

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Aktueller Planungsstand | Hinterlegte Unterlagen & Daten | Hinweise

Q4 2021

Start archäologische Voruntersuchungen

15.12.2021 17:00

Glühweintrinken

📍 ganz besonders Gebäude,, 12345

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Start Kartierung

15.02.2022

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[Hinweis hinzufügen](#)

Q4 2022

Inbetriebnahme SuedLink

Hinweis hinzufügen

Ankündigung Voruntersuchungen

Kartierung


Ankündigungszeitraum: 07.03.2022 - 03.06.2022

Beschreibung *

[+ Dokument hochladen](#)

Abbrechen OK

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Aktueller Planungsstand
Hinterlegte Unterlagen & Daten
Hinweise

Hinweis hinzufügen


Vorankündigung: Kartierung

Ich bin zu diesem Zeitpunkt nicht da, bitte Alternativzeitraum wählen.

Erstellt am 20.09.2022

Offen

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