Netzgrafik -Editor

Designed to make better decisions.

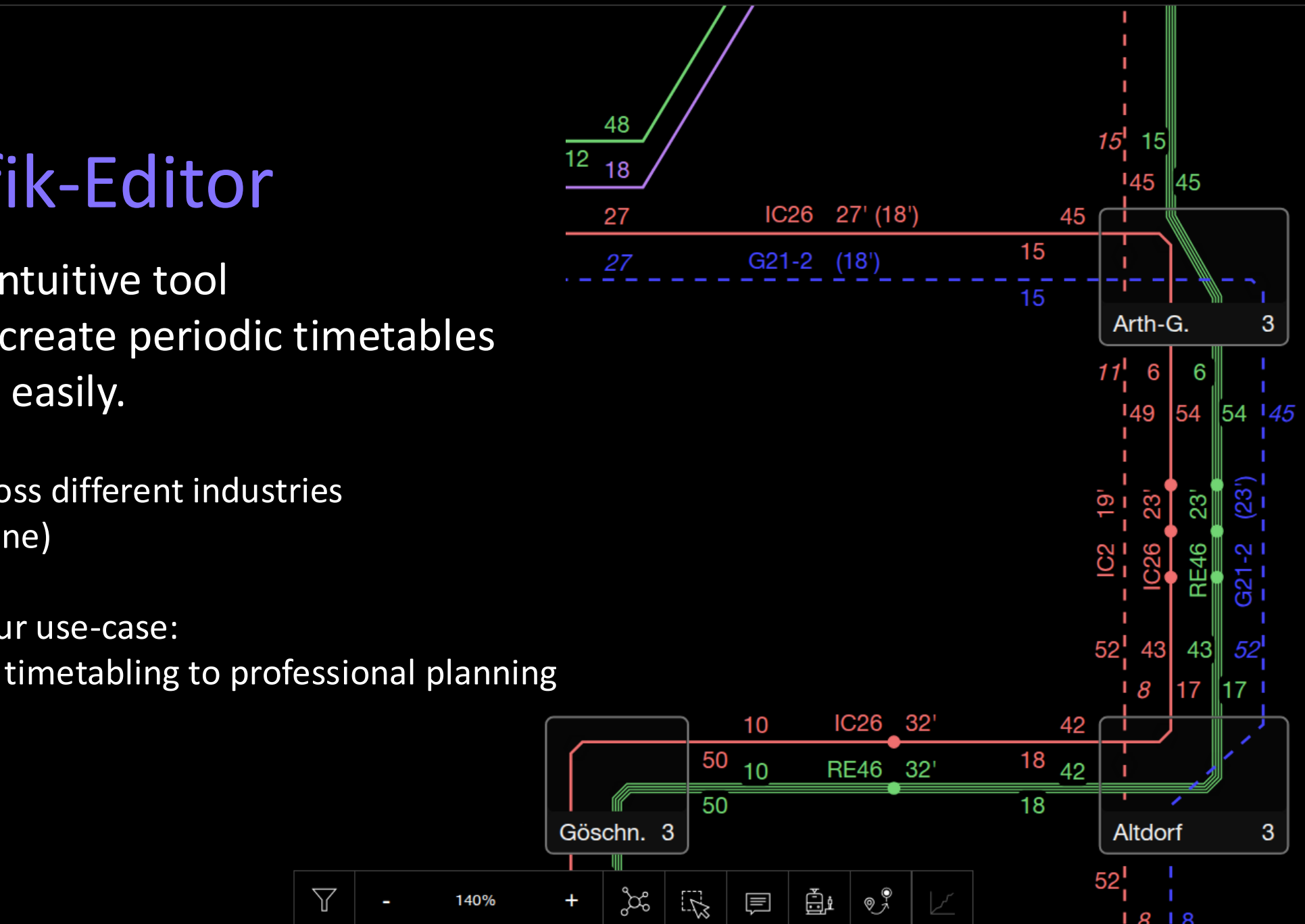
Martin Sojka | Adrian Egli

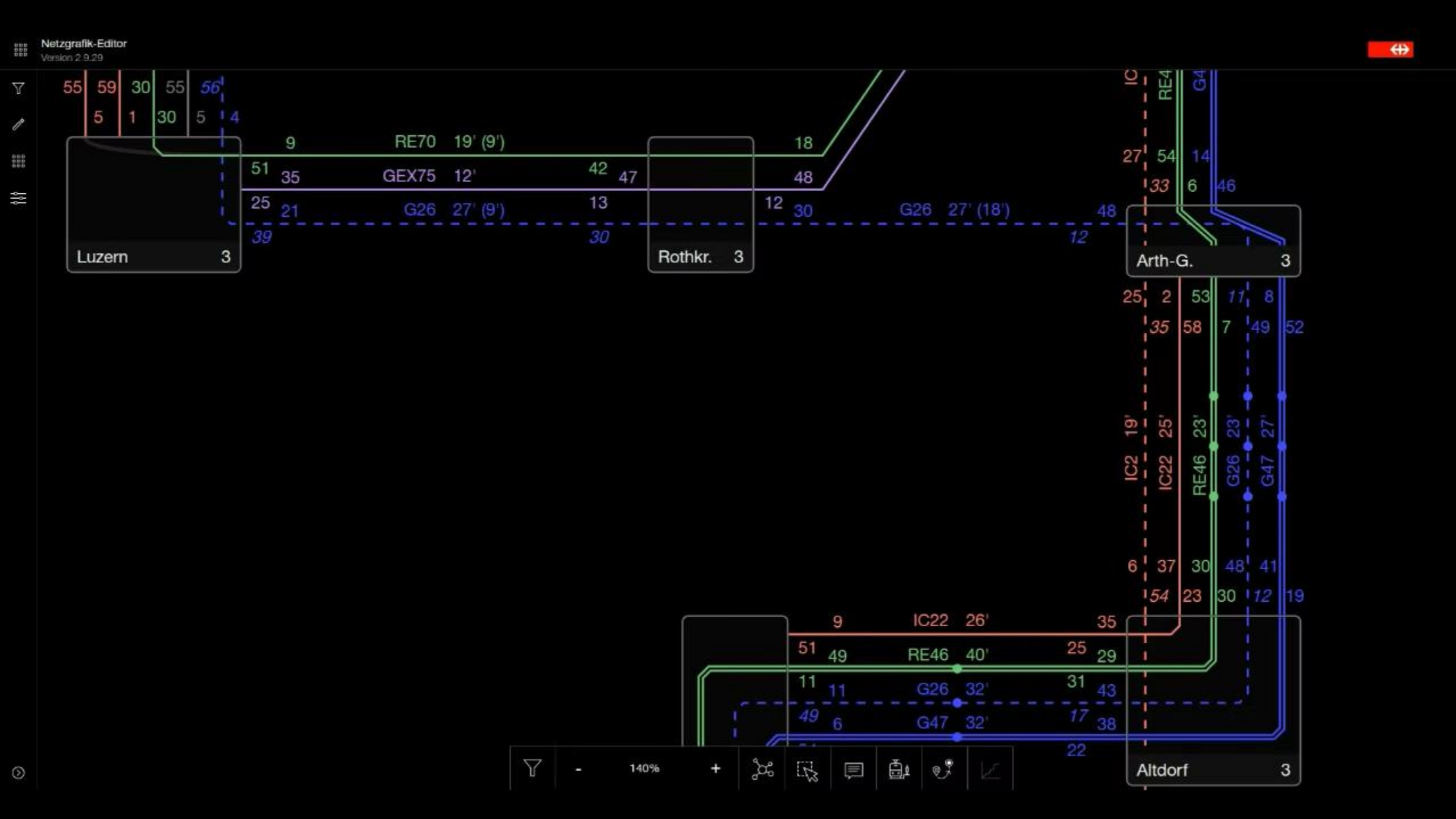
Swiss Federal Railways SBB CFF FFS

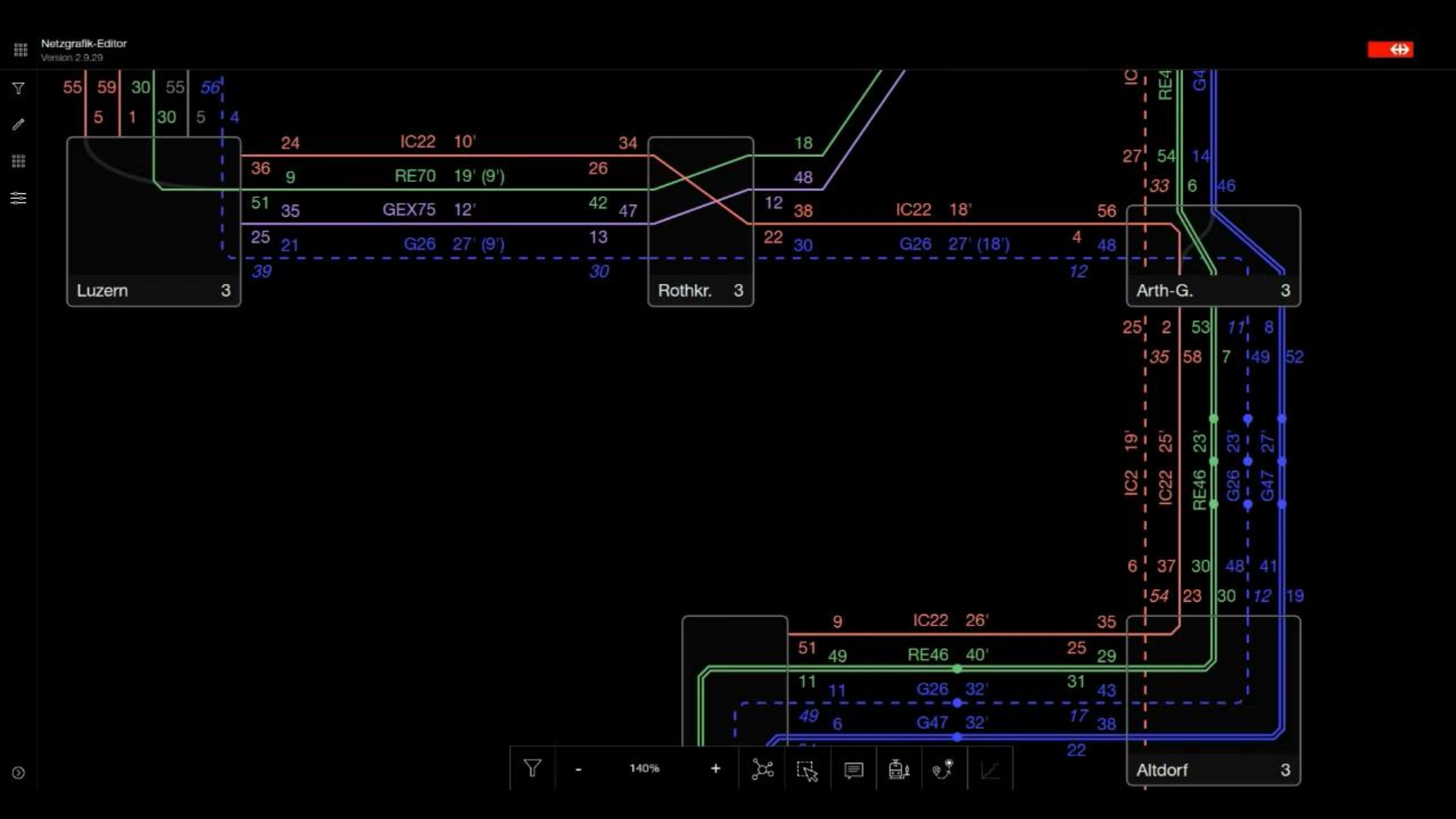
Netzgrafik-Editor

is a powerful intuitive tool
to design and create periodic timetables
efficiently and easily.

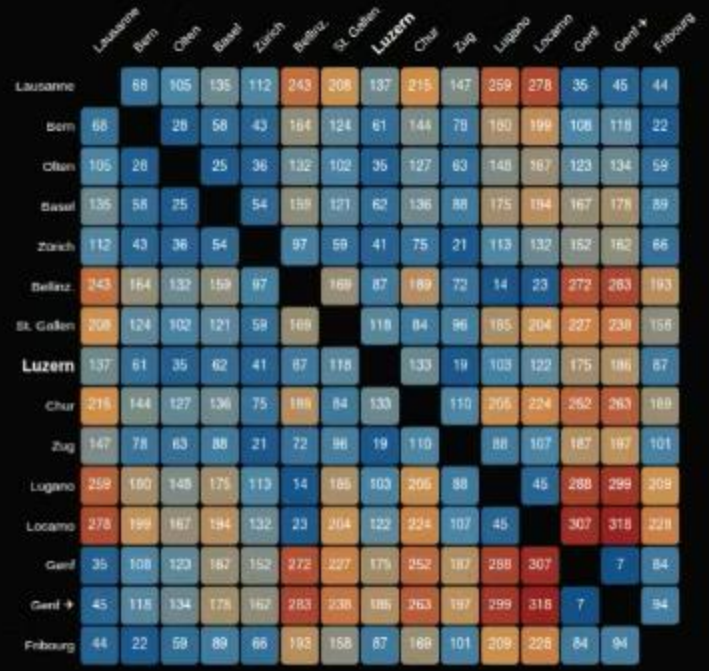
- applicable across different industries
  (train, bus, plane)
- scales with your use-case:
  from hobbyist timetabling to professional planning




Netzgrafik-Editor
Version 2.9.29
Luzern 3
Rothkr. 3
Arth-G. 3
Altdorf 3
RE70 19' (9')
GEX75 12'
G26 27' (9')
G26 27' (18')
IC22 26'
RE46 40'
G26 32'
G47 32'
IC2 19'
IC22 25'
RE46 23'
G26 23'
G47 27'
140%


Netzgrafik-Editor
Version 2.9.29
Luzern 3
Rothkr. 3
Arth-G. 3
Altdorf 3
IC22 10'
RE70 19' (9')
GEX75 12'
G26 27' (9')
IC22 18'
G26 27' (18')
IC22 26'
RE46 40'
G26 32'
G47 32'
IC
RE4
G4
IC2
IC22
RE46
G26
G47
140%

Netzgrafik-Editor
Version 2.9.29



Gesamtkosten
Reisezeit
Umstiege

Gesamtkosten Reisezeit Umstiege

- 100% +

Netzgrafik-Editor
Version 2.9.29

Flexible level of detail

start with a rough sketch, continuously add more detail

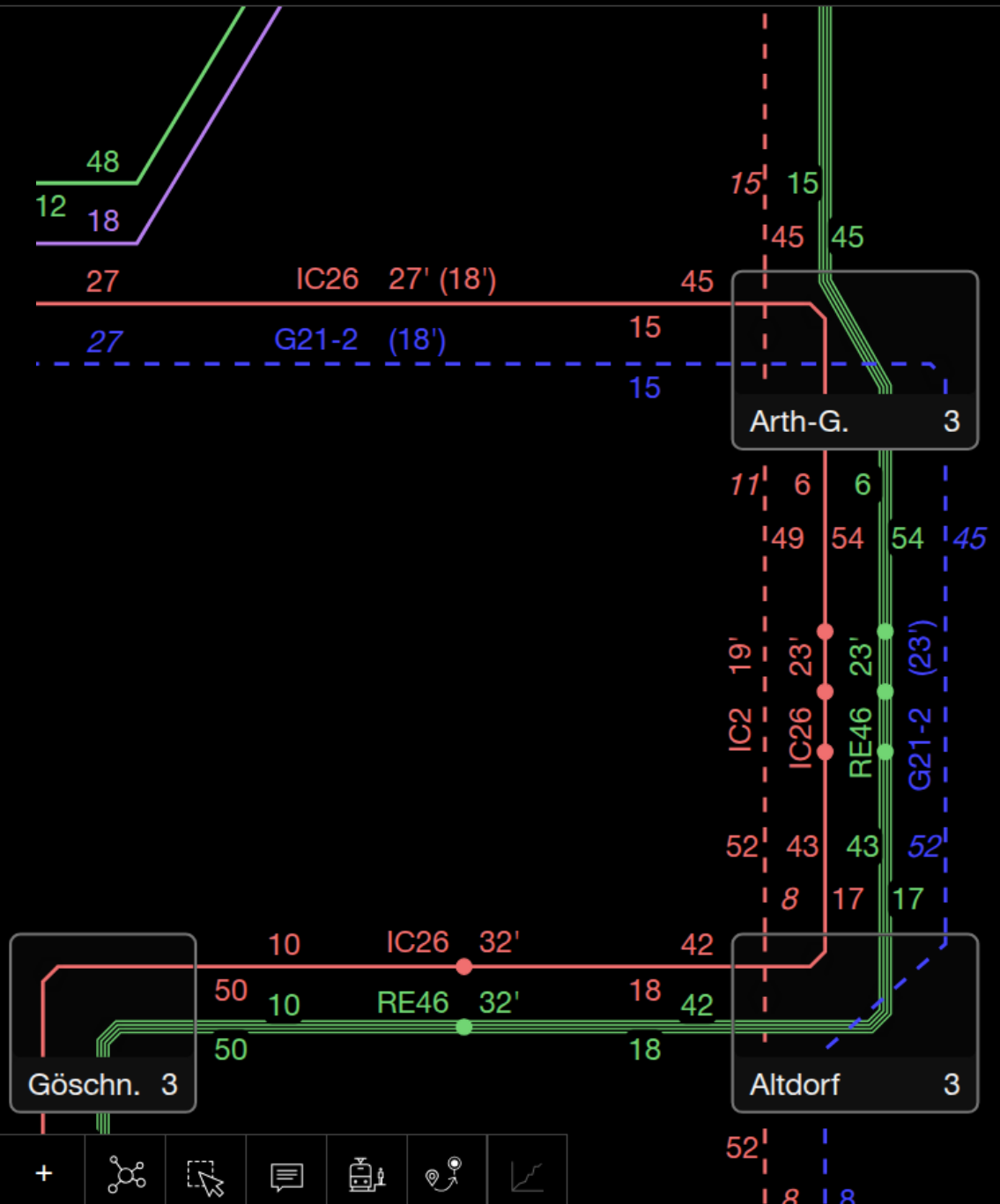
Human-centric

user involvement is the key
with our users we developed a novel approach for interactive timetable planning

Excellent and intuitive UX

so easy and natural as drawing on a whiteboard

no training required

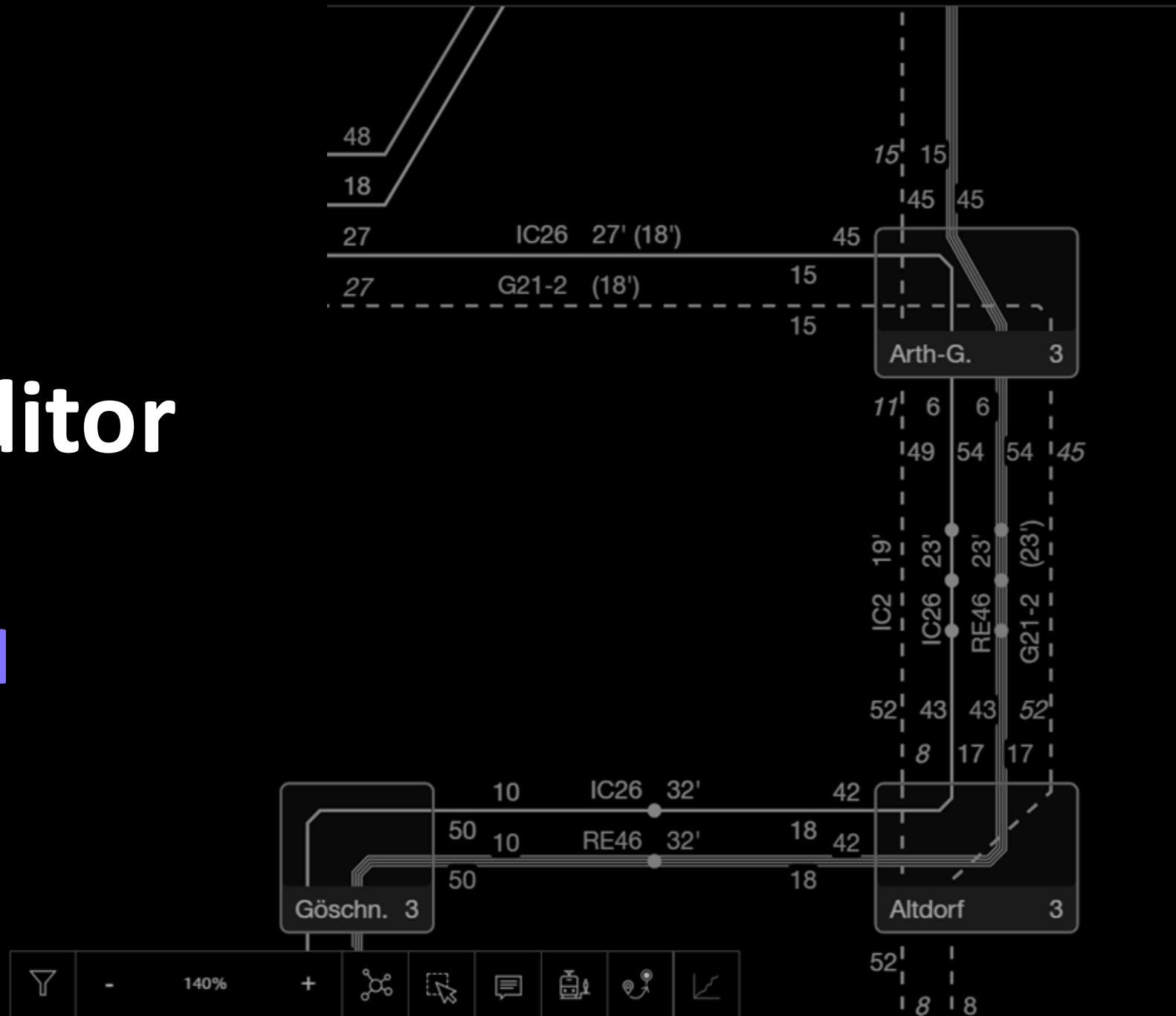


Netzgrafik-Editor
Version 2.9.29

Netzgrafik-Editor

2.10

just released



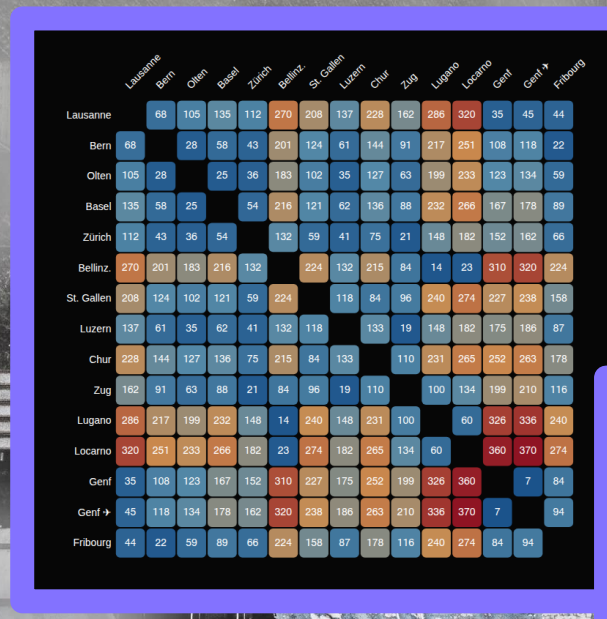
Netzgrafik-Editor

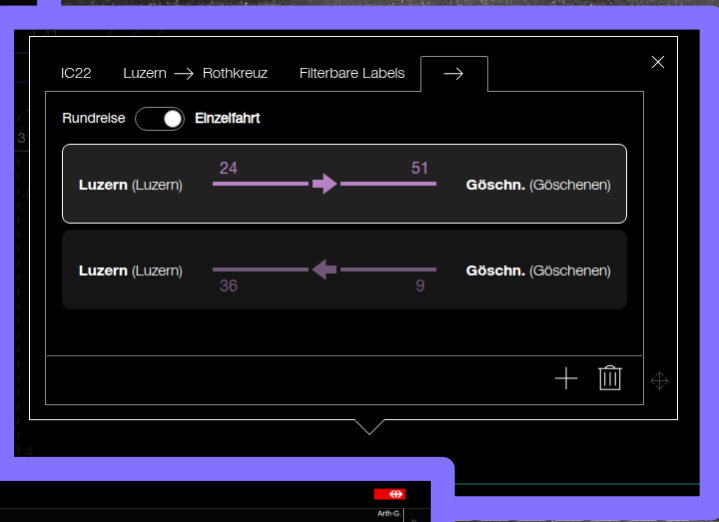
Version 2.10

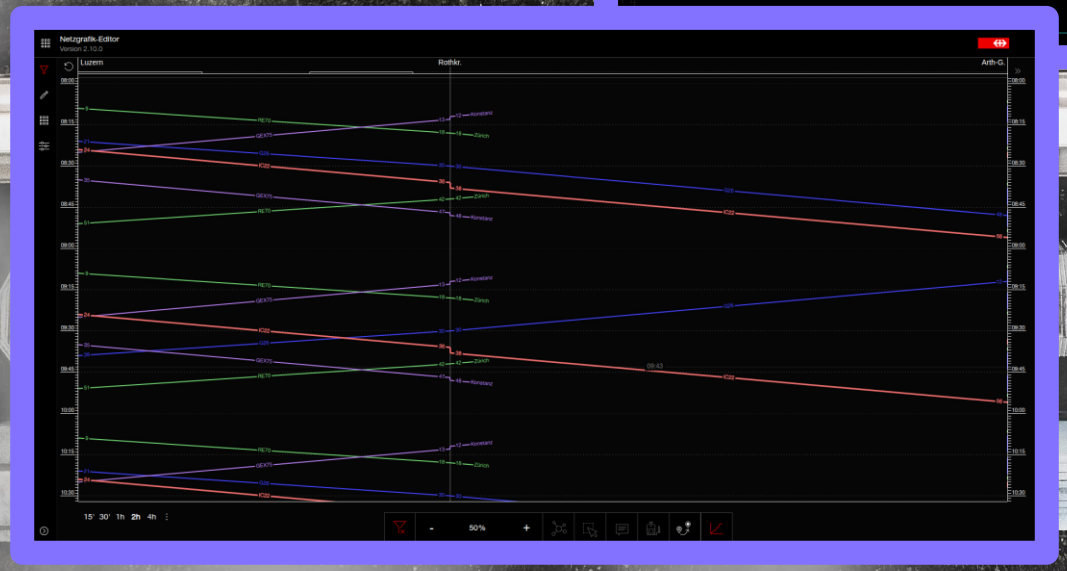
Highlighted New Features

Origin-Destination-Matrix

One-Way train runs

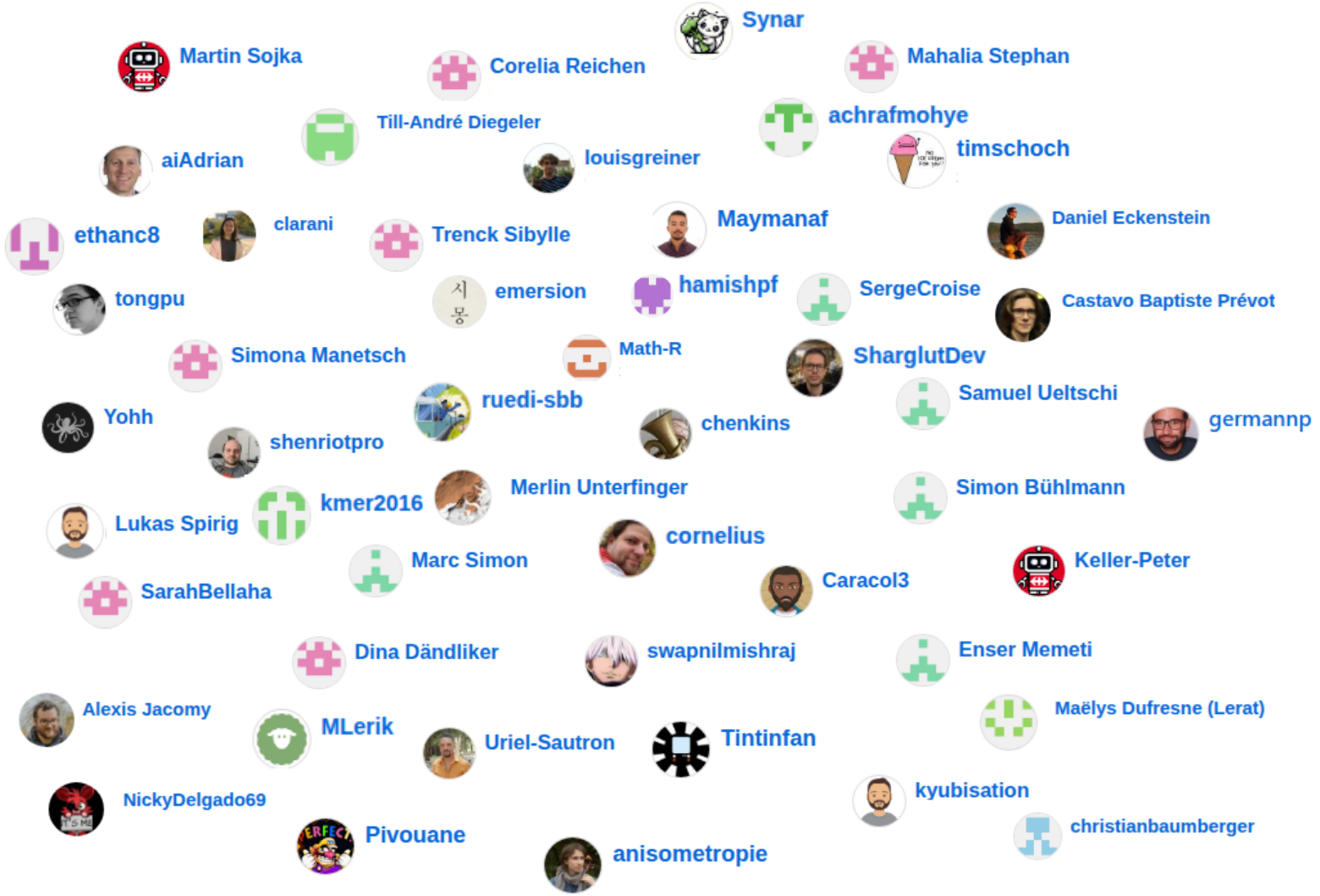






Thank you to all contributors - you make the project alive!

OPENRAIL ASSOCIATION



Surely we've missed someone along the way, and we want to extend our gratitude to them as well.

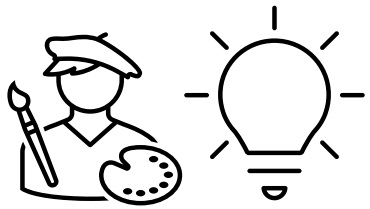
Why it's worth taking the path with Open Source.

Lessons Learned from the Netzgrafik-Editor.

The classical situation in our Industry.

Market too small - no off-the-shelf solution available.

I want a **Netzgrafik-Editor**.

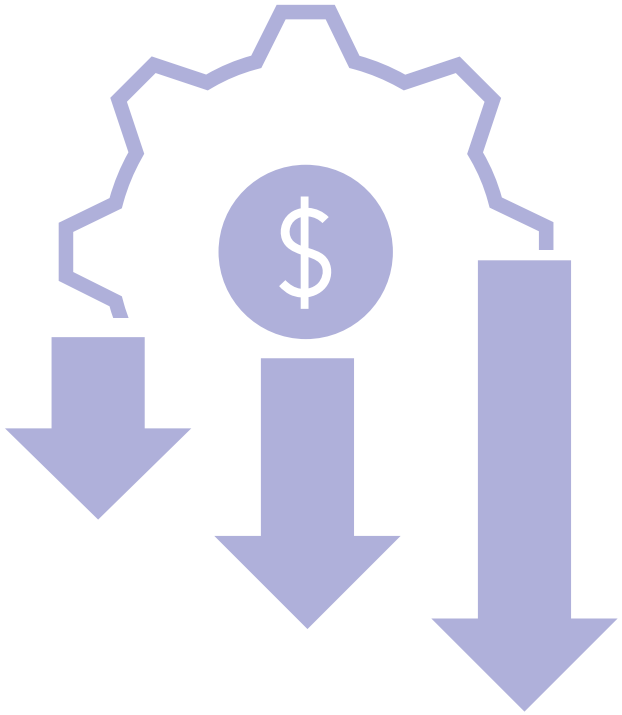


SBB CFF FFS

The Typical Outcome.

OPENRAIL ASSOCIATION

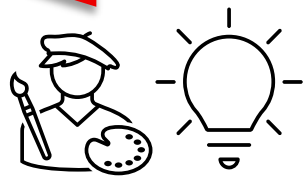
- **Redundant effort** - same problem solved again and again.
- **Every solution looks different** - no standards, no alignment.
- **Lost synergies** - no shared knowledge or perspectives.



The Open Source Model.

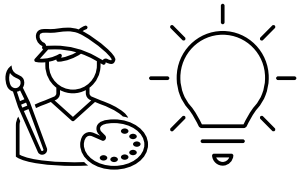
OPENRAIL ASSOCIATION

We are building a **Netzgrafik-Editor**, who like to help?



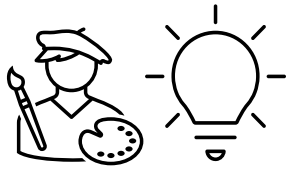
SBB CFF FFS

Sounds great, let's do it together!



SNCF

We are also interested – we can even contribute concepts and ideas.

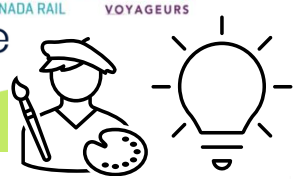


KEOLIS CANADA RAIL · SNCF VOYAGEURS

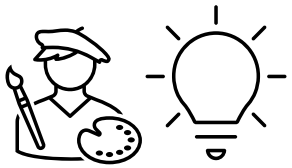
cadence

bls connects

ÖBB

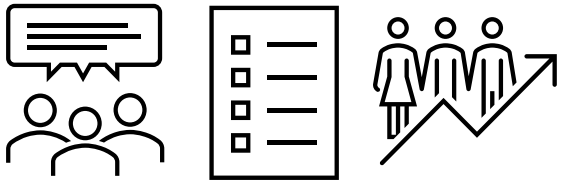


SBB CFF FFS Cargo



INFRABEL Right On Track

Let’s develop together



Our Approach - Open Source & Freely Usable Tools.

OPENRAIL ASSOCIATION

Empower and support the Community to lower entry barriers.

Release the entire project as Open Source — with clear documentation and a transparent roadmap.

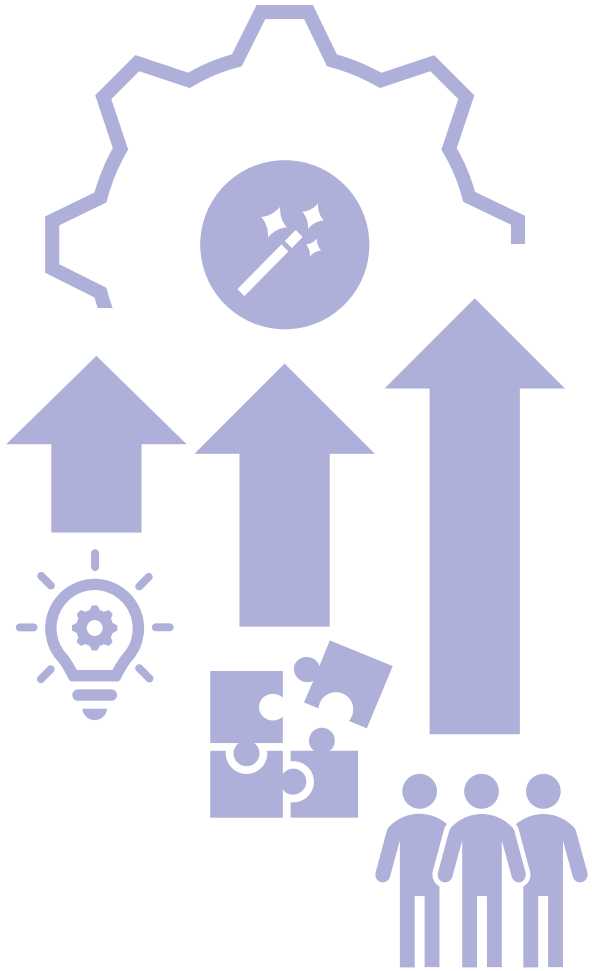
Provide a fully functional **application freely available** and ready to use.

Hosted by Flatland Association
https://nge.flatland.cloud

Forster Sustainable Open Innovation/Source Communities through Networking — driven by Infrastructure & timetable Planners, Railways Companies, Software Developers, and Enthusiasts.

Open Source Success Factors – Our Experience.

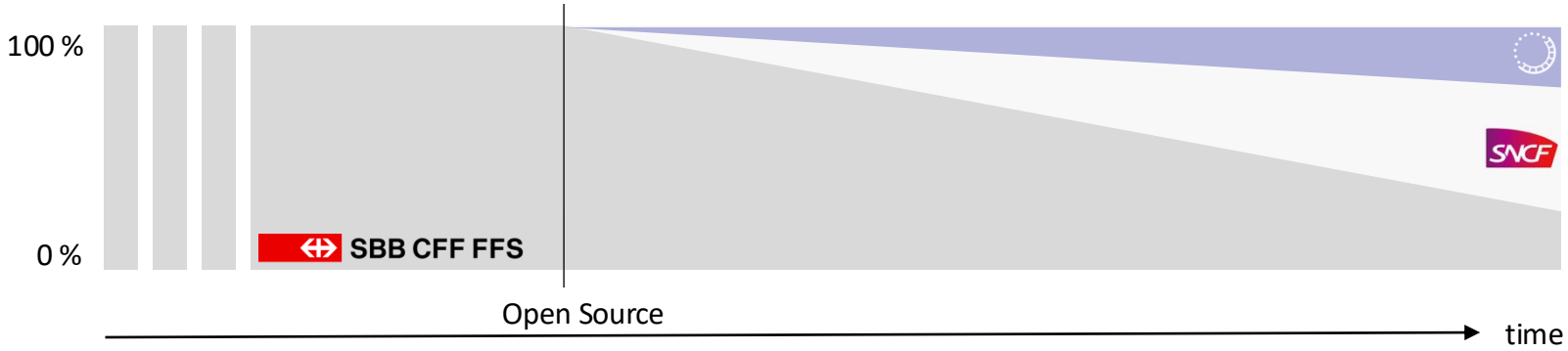
OPENRAIL ASSOCIATION



- Fostering an **open and lively community is key.**
- **Transparency** in roadmaps aligns contributors with shared objectives.
- **Motivated contributors** push the project forward – independent of individual budgets.

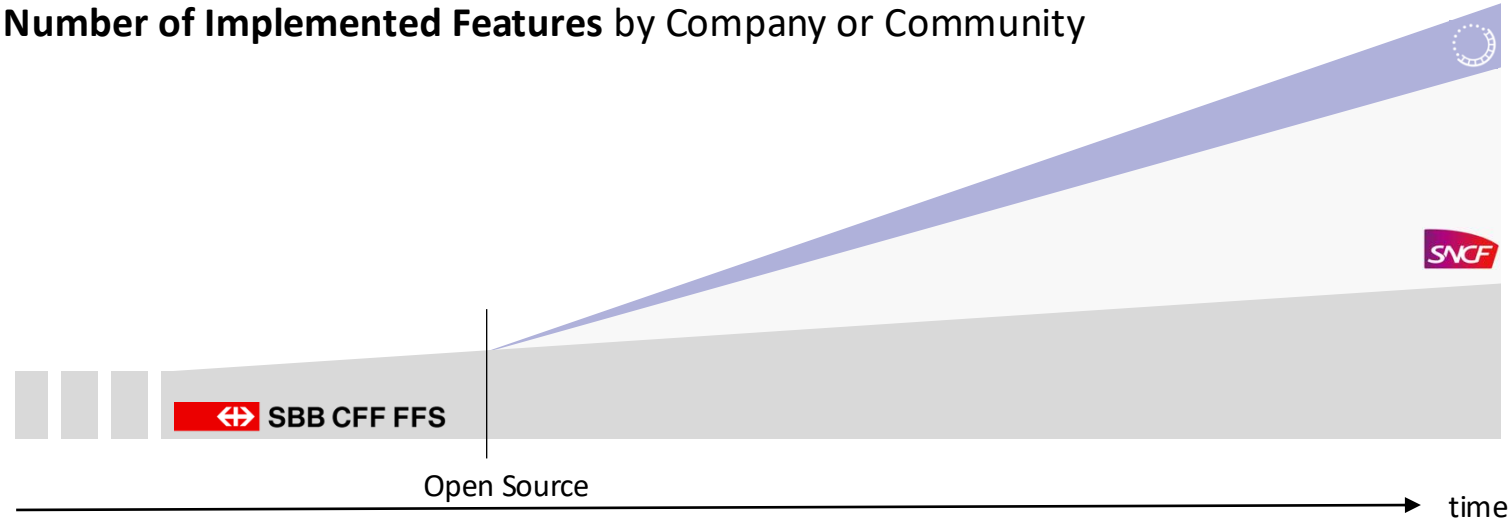
What we observe in the Netzgrafik-Editor project.

Percentage of Contributions (e.g. code, documentation, etc.) by Company or Community



shared knowledge

Number of Implemented Features by Company or Community



continue to drive the project forward

Accelerating Innovation Through Collaboration.

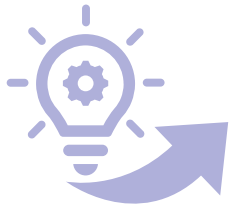
OPENRAIL ASSOCIATION

Open source requires active community management, more coordination, and a transparent product roadmap.

But that's precisely its strength.

Collaborative product development leads to stronger results through diverse perspectives, shared costs, and growing collective knowledge.

It enables cooperation between the rail industry.



Through collaboration the Netzgrafik - Editor becomes a shared foundation - setting standards and creating a common understanding.

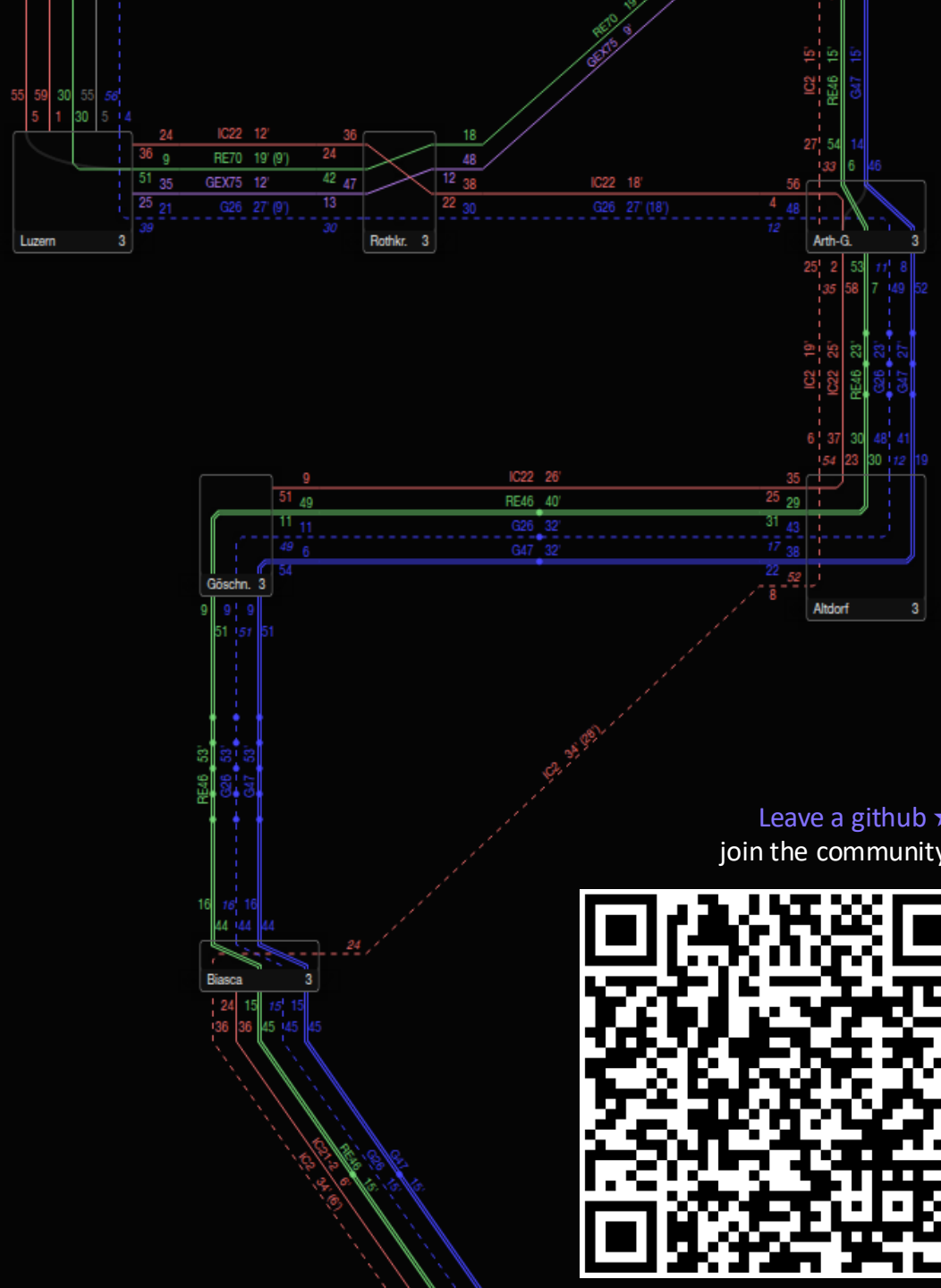
Forsters and accelerates innovation.

Netzgrafik -Editor

Designed to make better decisions.

If you want to go fast, go alone,
if you want to go far, go together.

African proverb.



Leave a github ★
join the community!