

Seminar on alliances in Germany and Sweden

Introduction

KTH 6 November 2025

Anna Kadefors, KTH and Per Erik Eriksson, LTU

Agenda today:

- 13.30-14.00 Presentations and introduction
- 14.00-15.00 Implementation of Alliancing in Germany. Sören Sommerfeld, TU Berlin. Discussion.
- 15.00-15.15 Fika
- 15.15-15.45 Alliance contracts in the Swedish Transport Administration. Andreas Eklund and Jörgen Simu. Trafikverket
- 15.45-16.00 Discussion



National research platform ProcSIBE

Procurement for Sustainable Innovation in the Built Environment

Upphandling för ett hållbart och innovativt samhällsbyggande

2014-2021

25+ projects, including extensive collaboration with Trafikverket

Continues as researcher network: www.procsibe.se



Swedish research projects on collaborative contracting

- Numerous case studies on public and private two-phase collaborative contracts from 2000 and onwards, also strategic partnering.

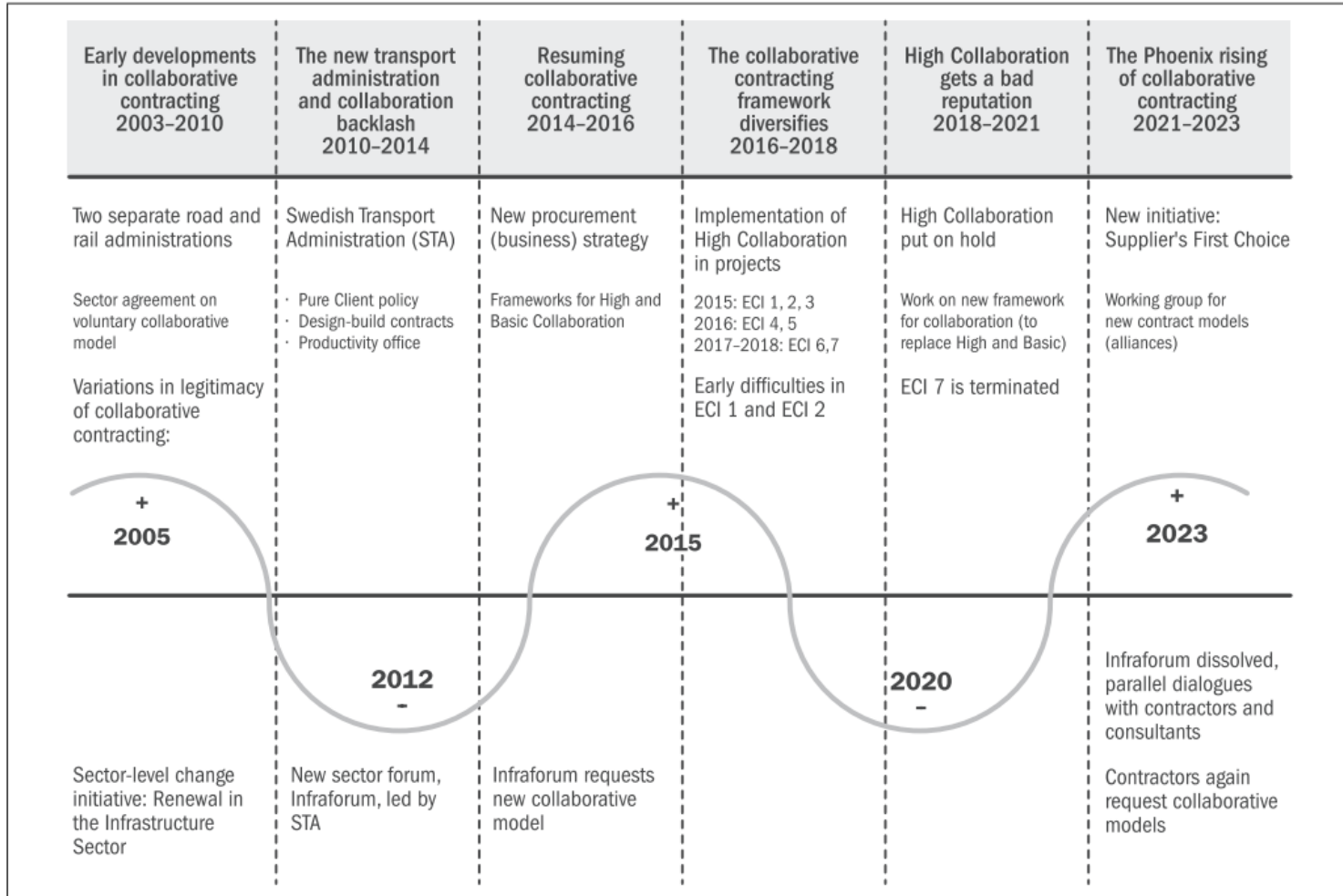
More recently, mainly ProcSIBE

- Benchmarking study railway (SWE, NL, UK, Germany, NO) (2015-2017)
- "Innovation pilots" in O&M road contracts in Trafikverket, LTU (2018-2022)
- Implementation/test of collaborative two-phase contracts in Trafikverket (Samverkan Hög/TEM)
 - Investment projects, 7 contracts, KTH (2017-2024)
 - O&M contracts, (4 > 2 contracts), KTH/LTU (2021- ongoing)
- Collaboration in the design phase of two-phase contracts, Chalmers. (Ongoing)
- Implementation of collaborative two-phase contracts in four hospital projects, KTH (2020-2025)
- Comparison of relational contracting in four Nordic countries over 25 years, led by KTH (paper in 2024)
- Planned project with Svenska kraftnät. KTH

Collaborative contracting in Sweden and beyond

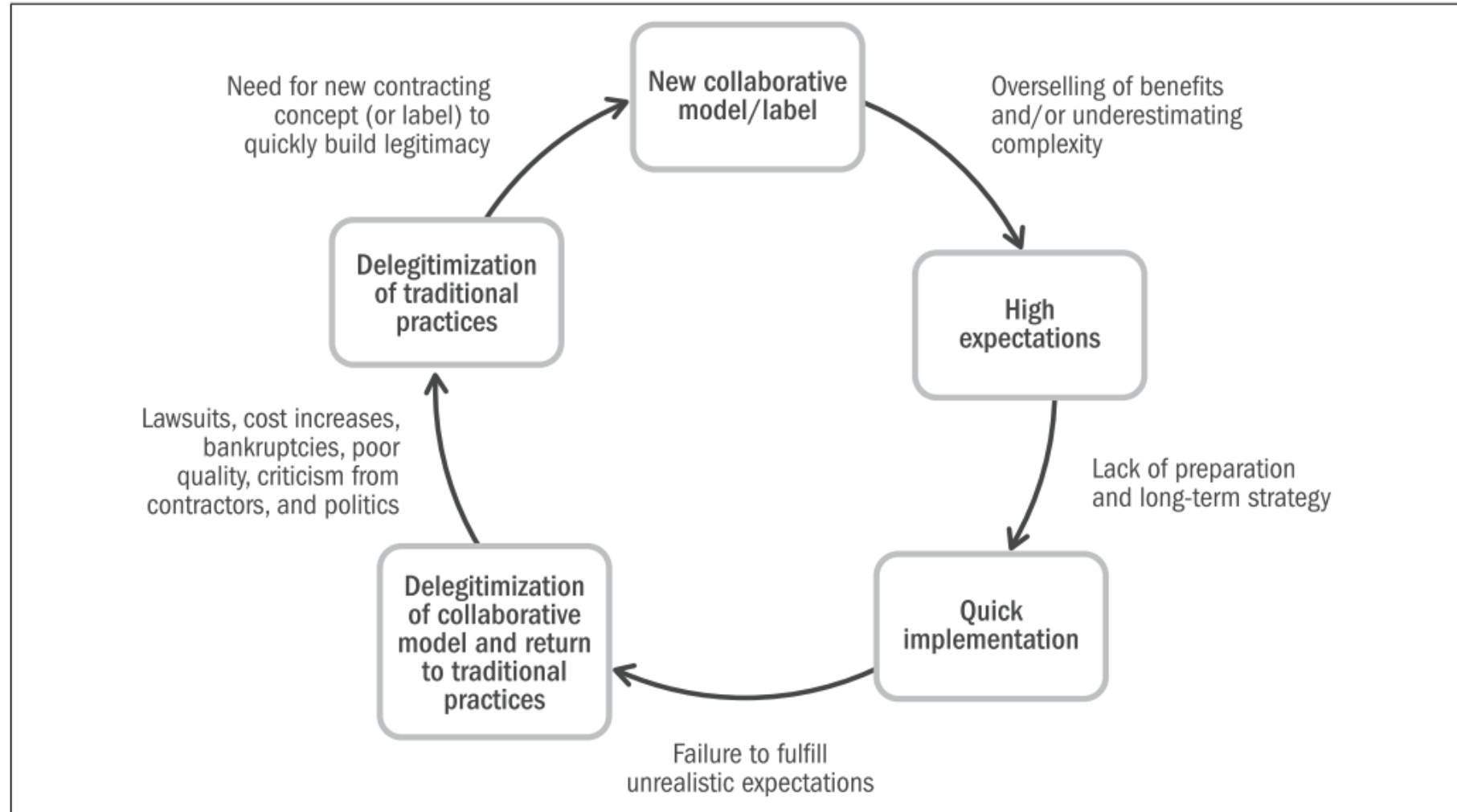
- The **building sector**
 - Collaboration based on two-phase contracts since early 2000s – the Swedish Construction Clients has a model (John Hane)
 - Today substantial volumes, in some markets around 50%
 - Also strategic partnering with several projects in one contract
- **Other infrastructure/industry clients**
 - High share of two-phase contracts in public construction contracts. F ex water, defense, energy. Strategic partnering by Svenska kraftnät
- **Trafikverket**
 - Non-contractual collaboration based on FIA model in early 2000s
 - Some contract-based collaborative projects in late 2000s
 - 2010 – focus on design-build fixed price contracts (Renodlad beställarroll)
 - New business strategy including option for two-phase contracts in 2016, discontinued in 2021
 - New non-contractual collaboration strategy, plus pilot projects for alliance contracts, 2021 –
- **Internationally**
 - Many initiatives 1990s-2000s, in recent years interest in a wider range of countries, also in Fidic

Developments in collaborative contracting in Swedish infrastructure construction 2003-2023



Rosander, L., Kadefors, A & Eriksson P.-E (2025):
[Never-Ending Cycles of Collaborative Contracting Initiatives: Dynamics of Legitimacy in a Public Client Organization](#) *Project Management Journal*

How can we avoid vicious circles and enable long-term learning?



Rosander et al, 2025, but also Kadefors, A., Aaltonen, K., Gottlieb, S. C., Klakegg, O. J., Lahdenperä, P., Olsson, N. O., Rosander, L. & Thuesen, C. (2024). Relational contracting in Nordic construction—a comparative longitudinal account of institutional field developments. *International Journal of Managing Projects in Business*, 17(8), 22-46. <https://doi.org/10.1108/IJMPB-01-2024-0014>

One option to increase predictability and engage the organizational/top management level

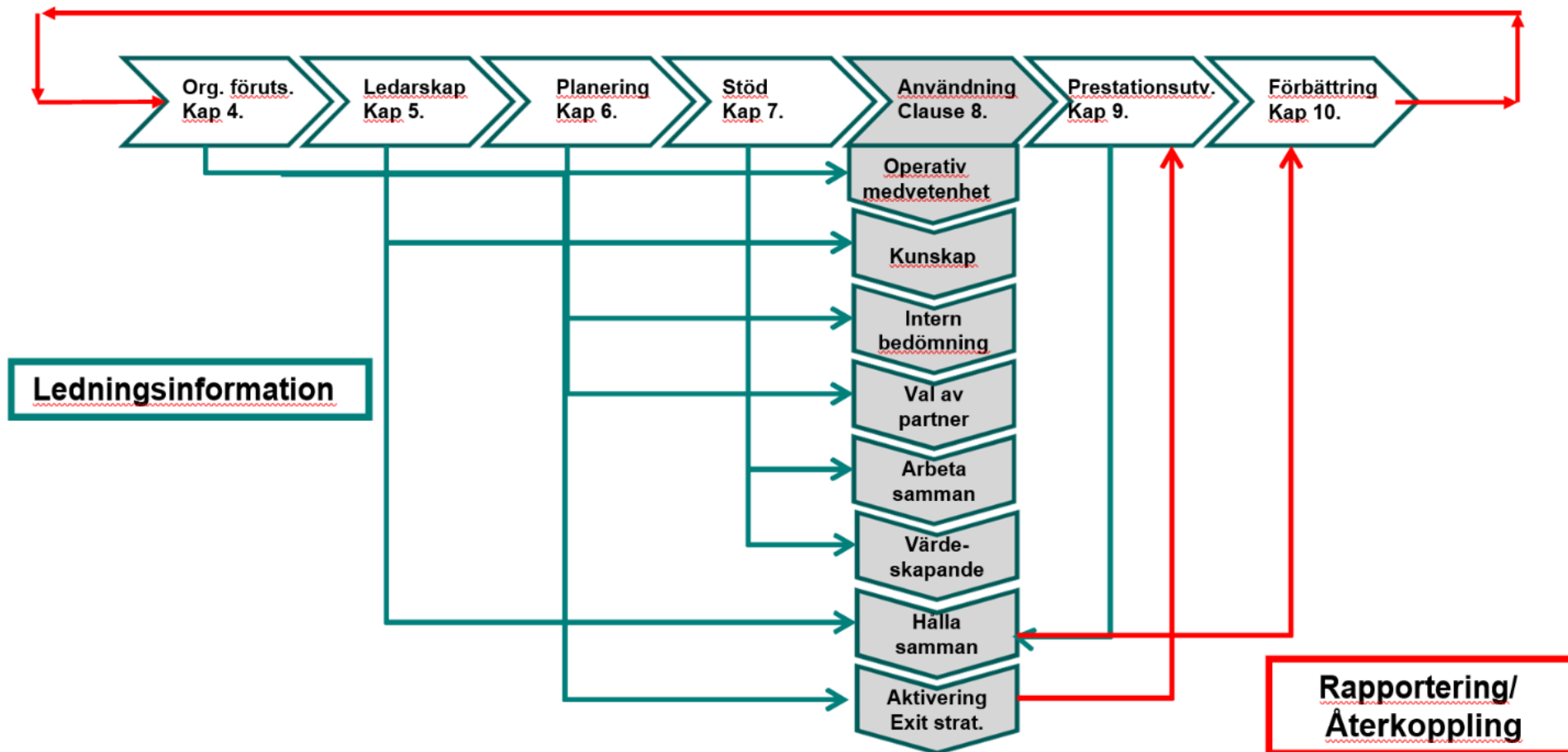


ISO 44001
Ledningssystem för
Affärsrelationer i samverkan –
Krav och ramverk



ISO 44001 Ledningssystem för affärsrelationer i samverkan

*Övergripande
organisationsnivå
(policy, ansvar, stöd,
utbildning, bemanning,
uppföljning, utveckling)*



*Processer och
strukturer på
projektnivån*

European benchmarking study railway procurement 2017

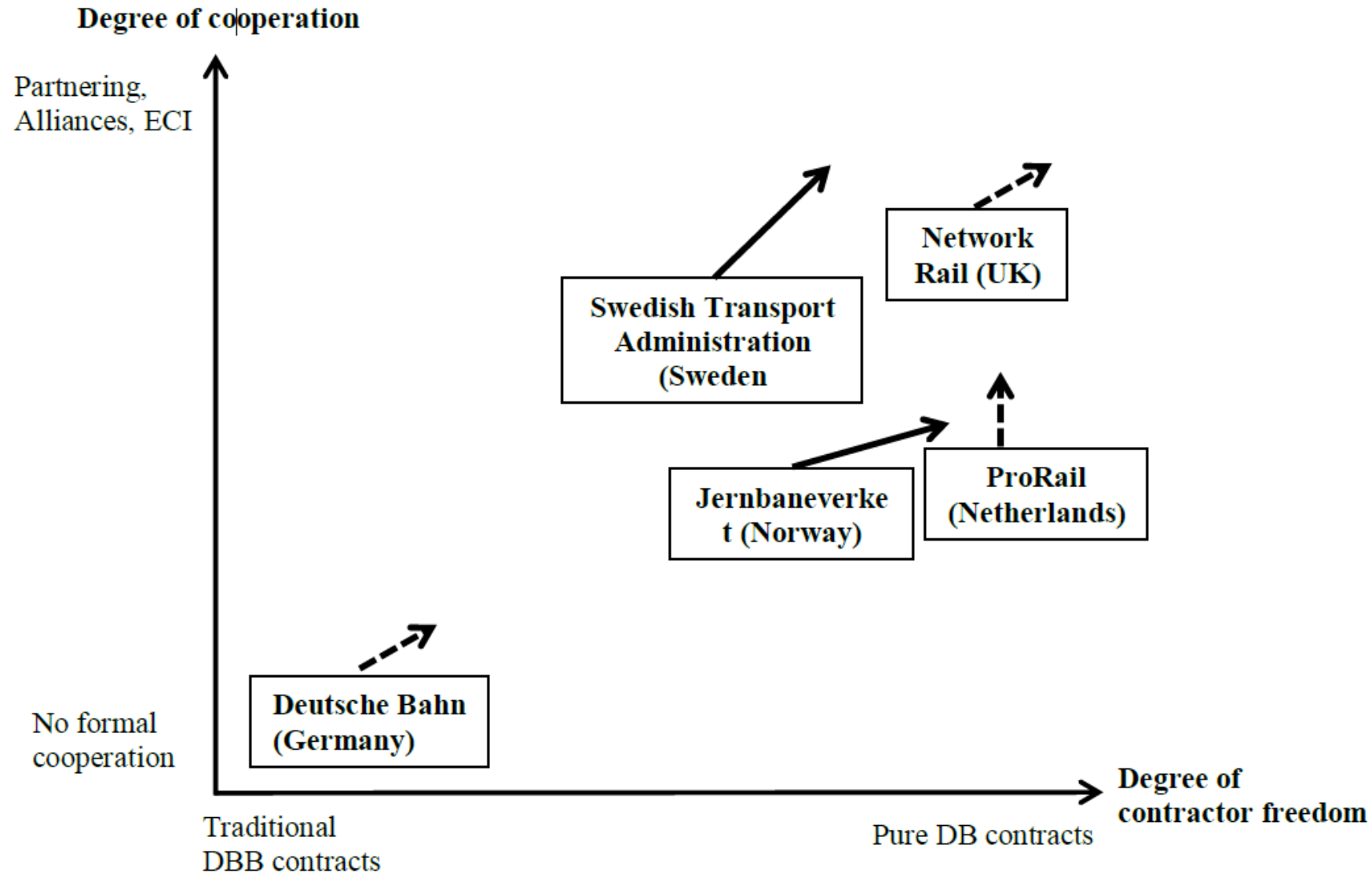


Figure 2. Change processes in the five countries

Implementation of Alliancing in Germany

Sören Sommerfeld, M.Sc.

Technische Universität Berlin, Department of Construction Engineering and Management

06.11.2025

Contents

1.	Introduction to alliancing	definition and purpose, shortcomings of traditional project delivery
2.	History and status of alliancing in Germany	developments since the 2000s, overview of projects, reflection on experiences and need for further developments
3.	Alliancing according to the 'Rail Partnership Model'	need for client-specific model, modules and combinations
4.	Reflection of experiences with alliancing in Germany	observations and need for further developments

Introduction

Alliancing: definition and purpose

The „owner [...] enters into a legal/commercial arrangement with one or more service providers (designers, contractors or suppliers [...]) for the delivery and/or operation/maintenance of a project/asset.“ (Ross 2009, p. 2)

Relies on combination of:

- “hard” contractual elements, such as early involvement of contractors, shared risks and quality-based selection and
- “soft” elements, primarily joint governance processes for building relationships and managing risks and opportunities (Kadefors et al. 2024, p. 23)

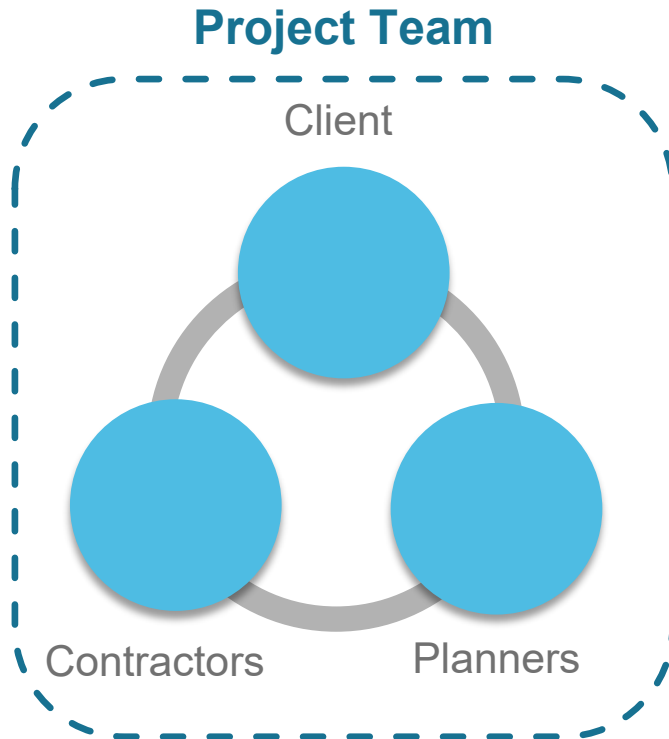
Core elements include:

- **key players** enter **joint agreement**
- collective development of **design** and target outturn **cost** (TOC)
- joint governance **processes** and project **controlling** under open-book financial transparency,
- defined mechanisms for equitably sharing cost overruns (pain-share) and savings (gain-share). (Sundermeier et al. 2023, p. 6)

This model is especially suitable for complex, high-risk projects that require innovative solutions and where risks are uncertain and best managed collectively (Austroads & APCC 2014, p. 31)

Introduction

Alliancing: fundamental principles according to the 'Rail Partnership Model'



Fundamental Principles

- integrated project organization
- early involvement of **key suppliers as team partners**
- key criterion: performance capability and competence
- holistic project management
- **collaborative project controlling, cost and risk management**
- joint decision-making management
- internal project problem-solving
- project goals as a **shared benchmark for decisions and success**
- other model definitions, e.g. with high emphasis on lean-management-principles exist and are also common
- The Rail Partnership Model ('Partnerschaftsmodell Schiene') is a client-specific framework for project delivery models (for Deutsche Bahn), that is based on international experiences and best practices from Alliancing and IPD

image: own illustration based on (DB FZI GmbH 2023, p. 3 ff.; Sundermeier et al. 2023, p. 6 ff.)

Introduction

Alliancing: background and purpose

shortcomings of traditional project delivery (Kadefors et al. 2024, p. 23)

- separation of design and construction → few chances for innovation
- long-term incomplete contracts
- bid-low-claim-high strategy → poor collaboration and distrust

that lead to (Sundermeier et al. 2020, p. 24 ff.)

- disturbances in construction sequences → high chance that project forecasts experience cost and schedule overruns
- claim-high strategy → inefficient project delivery through negotiating claims (client and suppliers) and laborious contract management
- therefore individual/particular interest are often contrary to project goals; Construction sector increasingly unappealing for (young) professionals

Alliancing in Germany

History

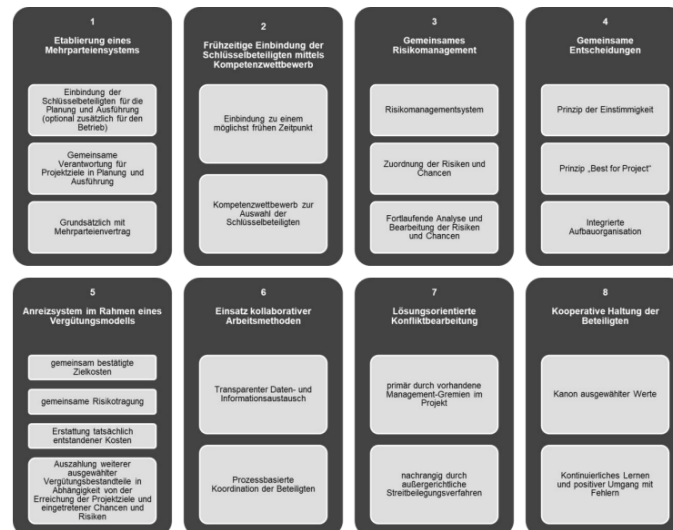
- before 2018: no relational contracting at all at Deutsche Bahn (Eriksson et al. 2016, p. 53)
- design-bid-build (DBB) is the standard model in the industry

In Germany, DBB is usually executed through a trade-specific contracting method known as “Fachlosvergabe”, where the client awards separate contracts to multiple specialized contractors (single-trade contractors). Each contractor carries out only the specific scope of work defined in their respective trade package, such as concrete works, electrical, and HVAC. This differs from the version of DBB often described in international literature, where construction is usually performed by a single general contractor, using subcontractors. (Hatami Rad 2025)
- for private clients, design-build (DB) is also common
- PPP (DBFM) has been gaining popularity since the 2000s (esp. highway- and public building construction) and has been accompanied by broad-ranging public debate
- large construction suppliers developed initiatives for collaboration within DB-models (for private clients) (Breyer 2023, p. 40)
 - Züblin Teamkonzept (1994)
 - Walter Bau Bauteammodell (1997)
 - Bilfinger i.volution (2000)
 - Hochtief PreFair (2002)

Alliancing in Germany

History

- relational contracting and alliancing has been gaining interest since the mid 2000s:
 - first in science (dissertations, journals)
 - then in industry (journals and conferences, client organizations, industry associations)
 - public clients noticed a need for change in project delivery (in megaprojects)
- 2016: “IPA-Zentrum“ (its predecessor) was founded
 - Founded on basis of observation that traditional project delivery models (with their contractual frameworks and price-based procurement processes) are unsuitable to promote collaboration in large complex projects and thus systematically hinder achieving project goals. Aim: development of innovative model and best practices
- 2017 the first (private) alliance project was initiated

[illegible]

images: (BMV 2018; IPA-Zentrum 2022)

Alliancing in Germany

Status today: >30 Projects, mostly > 200 M €

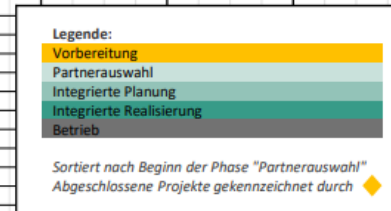


Projektbezeichnung	Projektgrößen-Kategorie	2018		2019				2020				2021				2022				2023				2024				2025			
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Havelufer Quartier Berlin	200 - 500 Mio. €																														
Sanierung Kattwykbrücke (iPAKS)	15 - 50 Mio. €																														
Bayer Sol-1	200 - 500 Mio. €																														
3 Schulen Bremerhaven	100 - 200 Mio. €																														
LIFE Hamburg	50 - 100 Mio. €																														
DB - Neues Werk Cottbus	> 1 Mrd. €																														
Bürogebäude an der Elisabeth-Abegg-Straße	100 - 200 Mio. €																														
Siemensstadt Square - Modul 1	100 - 200 Mio. €																														
Amprion A-Nord	> 1 Mrd. €																														
BAM GBD 149	200 - 500 Mio. €																														
Sensilo - JUMO Standorterweiterung Fulda-Rodges	15 - 50 Mio. €																														
Neubau ITZ Bund Ilmenau	15 - 50 Mio. €																														
in.grid Berlin	200 - 500 Mio. €																														
Transformation Klett-Areal	50 - 100 Mio. €																														
Neubau Paul-Ehrlich-Institut	0,5 - 1 Mrd. €																														
DB PSU - Gäubahnausbau Nord	0,5 - 1 Mrd. €																														
Luisenblock Ost I	0,5 - 1 Mrd. €																														
DB - EÜen Zölpicher/Luxemburger Straße	200 - 500 Mio. €																														
HPA - Salzgitterkai	100 - 200 Mio. €																														
DB - Fehmarnbeltquerung: Schieneninfrastruktur	> 1 Mrd. €																														
DB - ICE City Erfurt: Haus 1	50 - 100 Mio. €																														
DB - Fehmarnbeltquerung Absenktunnel	> 1 Mrd. €																														
HPA - Reiherstiegsschleuse	50 - 100 Mio. €																														
DB - S-Bahn Linie S4 Hamburg	> 1 Mrd. €																														
DB - Residenzbahn	200 - 500 Mio. €																														
Westumfahrung Alte Süderelbe (WASE)	50 - 100 Mio. €																														
Campusentwicklung DOK an der Helmut-Schmidt-Universität Hamburg	> 1 Mrd. €																														
DB - VE734 2. Stammstrecke	keine Angabe																														
DB - Siemensbahn	0,5 - 1 Mrd. €																														
DB - Werk Elbgaustraße Hamburg	50 - 100 Mio. €																														
Modernisierung Universität Bielefeld	200 - 500 Mio. €																														
Marinearsenal Wilhelmshaven	100 - 200 Mio. €																														
Förderklinikum Katharinen-Hospital	200 - 500 Mio. €																														
Zentrallabor Universitätsklinikum Düsseldorf	200 - 500 Mio. €																														

Legende:

- Vorbereitung
- Partnerauswahl
- Integrierte Planung
- Integrierte Realisierung
- Betrieb

Sortiert nach Beginn der Phase "Partnerauswahl"
Abgeschlossene Projekte gekennzeichnet durch

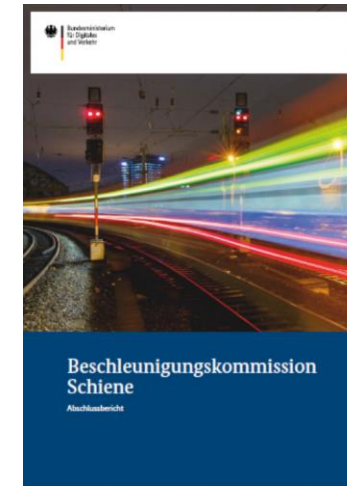


(IPA-Zentrum 2025)

Alliancing in Germany

Drivers of development

- most alliance projects are being delivered by public clients (Deutsche Bahn, WSV, public building clients)
- clients are main-drivers, however seldom with a clear strategy
- consultants (project management, legal consultants) play major role in sharing knowledge and advertising advantages of alliancing
- most influential alliancing-project management consultancies
 - Yukon Projects (KIT)
 - **ISG and GWT (TU Berlin)**
 - RiskConsult (Uni BW München)
 - Lumico
 - Schlabach Consulting
 - Refine (HFT Stuttgart)
 - many project management consultants open up alliance-departments (e.g. Väth&Schmidt, Schiffers Bauconsult, Drees&Sommer, Schüßler-Plan)
- most influential legal consultants developing alliance agreements
 - Antje Boldt
 - Kapellmann
 - Breyer
 - Ebner Stolz
 - Graf von Westfalen
 - Heid & Partner (Austria)



	Regionalbereich	Projekt	PIA	Lph
1	Ost	Siemensbahn	Gesamtprojekt	2
2	Ost	Spandau-Nauen	vorrangig Bf. Spandau	2
3	Ost	Berlin S 25 Süd,	vorrangig Abschnitt Teltow Stadt-Stahnsdorf	2
4	Ost	Lübbenau-Cottbus	1+2	3/4
5	Nord	Neubau der S-Bahn Linie S4 (Ost)	2+3	4
6	Nord	Hannover Bielefeld	Abschnitt „Wunstorfer Ohr“	2
7	Nord	Hannover Bielefeld	Abschnitt „Schaumburger Land“	2
8	NN	HLK		2/3
9	DB Projekt Stuttgart-Ulm GmbH	ABS Stuttgart – Singen – Grenze D/CH, Abschnitt Nord (inkl. Pfaffensteigtunnel)		3
10	DB Projekt Stuttgart-Ulm GmbH	P-Option, Baustufe 2 und 3		0

- some consultancies were founded by professors and are closely linked to universities
→ alliancing is often regarded as an innovative academic approach to project delivery
- only a few lawyers are involved in designing the first multi-party agreements. Some of them regularly cooperate with the same alliancing-consultancies.
- consultants (and clients) often link alliancing to the implementation of lean methods

own research and interpretation; Image: BMV 2022

Alliancing in Germany

‘Rail Partnership Model’: a research project at TU Berlin

Partnerschaftsmodell Schiene – Rail Partnership Model



DB Netz AG

BAUINDUSTRIE



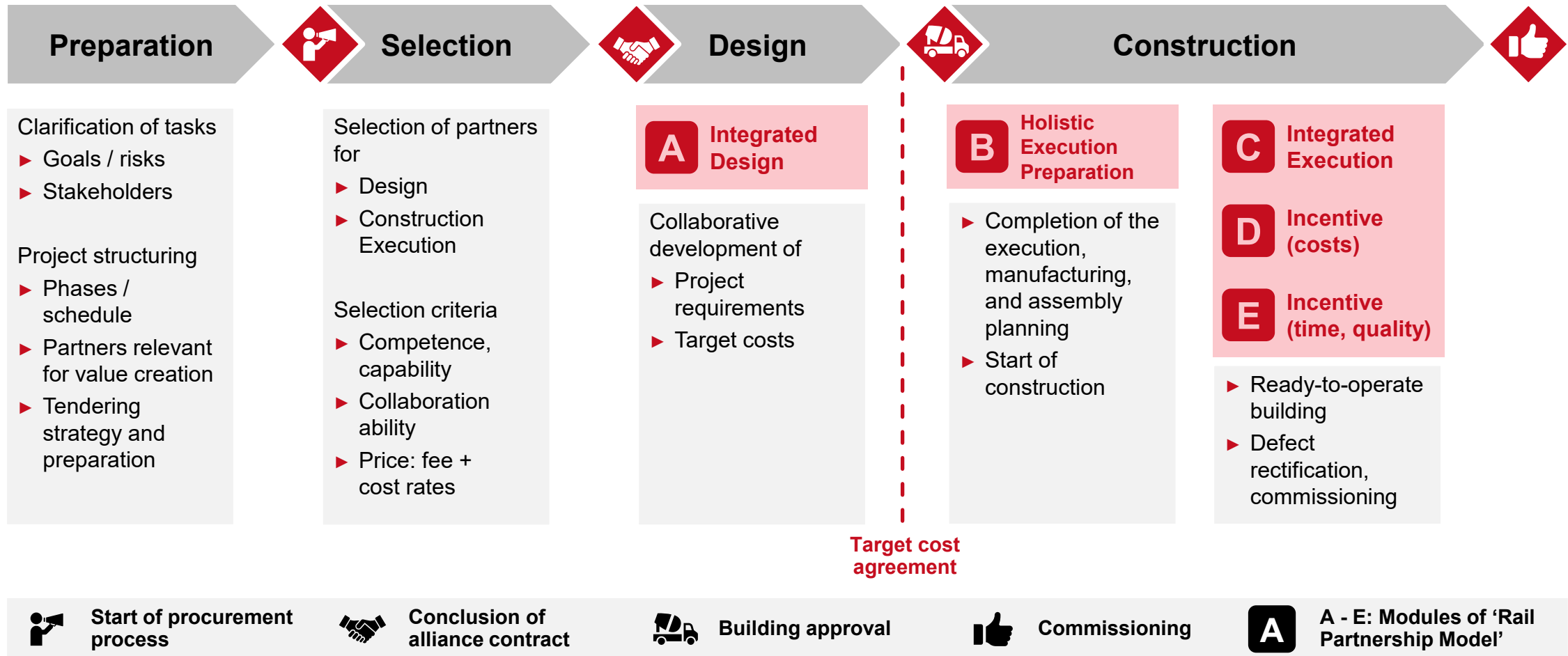
Fachgebiet Bauwirtschaft und Baubetrieb



image sources: Pixabay (right column); DB Netz AG (bottom row)

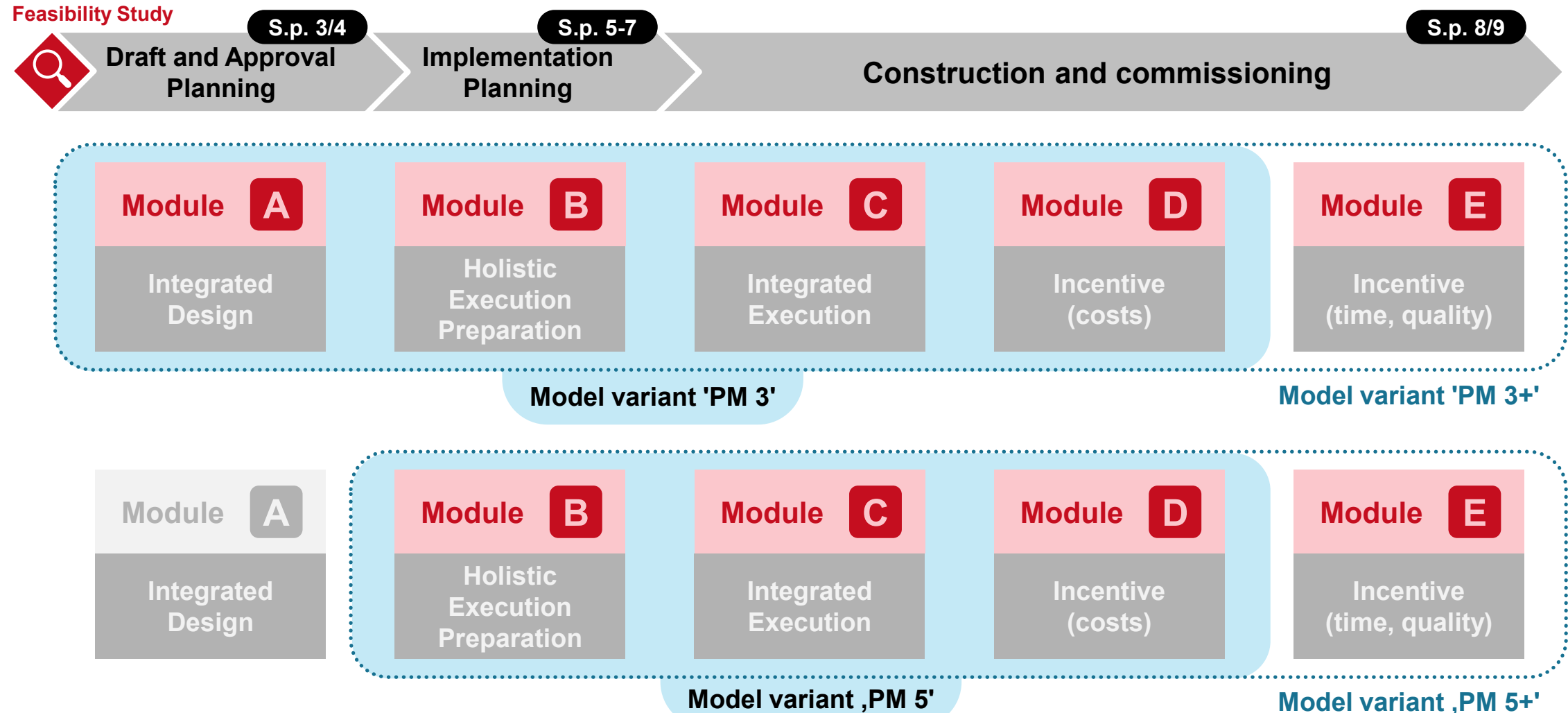
Rail Partnership Model

Phases, modules, content



Rail Partnership Model

Phases, modules, content



Rail Partnership Model

Ongoing pilot projects

Buildings: Maintenance facilities

- **Neues Werk Cottbus - ICE-Instandhaltungswerk (DB FZI)**
- **DB Werk Elbgaustraße, Hamburg (DB)**

Railway Network

- **PSU Gäubahnausbau Nord, Stuttgart (DB PSU)**
- **Fehmarnsundquerung (DB InfraGO)**
- **S4, Hamburg (DB)**
- **Residenzbahn, DB**
- **Ersatzneubau EÜen, Köln (DB InfraGO)**
- **Fehmarnsundquerung Absenktunnel (DB)**
- **2. Stammstrecke Ost, München (DB)**
- **Siemensbahn, Berlin (DB InfraGO)**

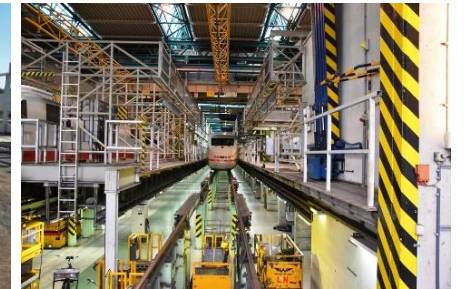


image sources.: DB Neues Werk Cottbus, s4 geht los!, DB, Deutsche Bahn

Alliancing in Germany

Observations and Experiences



observations



- some clients tend to **'jump on the alliance-train'** because it is en vogue
- some clients see alliancing as a **'silver bullet'** and chose this method in hope of **curing a project** that would otherwise be behind schedule or that cannot be delivered with scarce human resources in client organization
- **'copy & paste'-method** of principles and regulations when setting up a project, instead of developing the right methods based on the project

possible solutions



- **clients need to prepare** themselves carefully for every project regarding governance and personnel
- alliancing is (currently) **no model for saving scarce (human) resources**
- an objective and early **feasibility-study (or suitability test) for alliancing** should be required for each project
- **clear project goals** need to be identified and formulated
- secure an **appropriate timeframe** and **personnel capacity**

project-initiation



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



procurement-
phase



- **wide range of tenderers**, where there is a strong market (both architecture/engineering and construction)
- usually, **procurement is organized in partial lots** according to market structure, instead of a single call for tenders
- **project-specific behavioural assessments** show individual collaborative working capabilities, but clients mostly do not deduce any actions
- **price-bids** (fees, cost rates for machinery) are mostly **at market level**
- suppliers face **similar transaction costs for preparing tenders** compared to similar traditional projects but using **different skills and personnel**



- individual alliance competence needs to be secured – **actions need to be derived from evaluation** (e.g. extra training, exchange personnel, exclude bid)



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



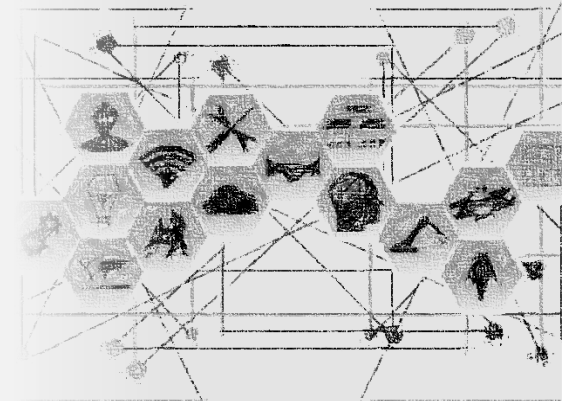
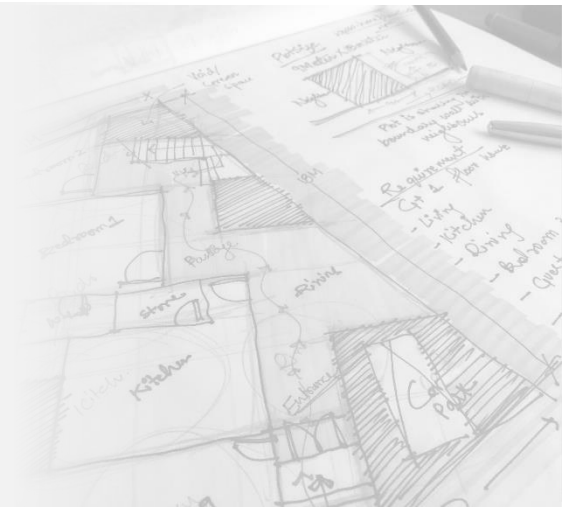
development
phase
(phase 1)



- collaboration in **Big Room** shows promising results but the attendance during long development phases is challenging for smaller suppliers
- incentive insufficient for needed level of effort and involvement
- **personal resources for project management and developing processes not sufficient**
- **budgeting for the development phase** is uncommon and appears to be challenging



- more **processes, organizational guidelines and management principles** need to be **prepared** by the client
- **sanctions** when personal or level of effort is insufficient
- a **two-phased incentive mechanism** might incentivize efficient development phase with incentivizing underrun between target costs and the initial budget
- require **cost controlling based on strict budgets** from day one



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



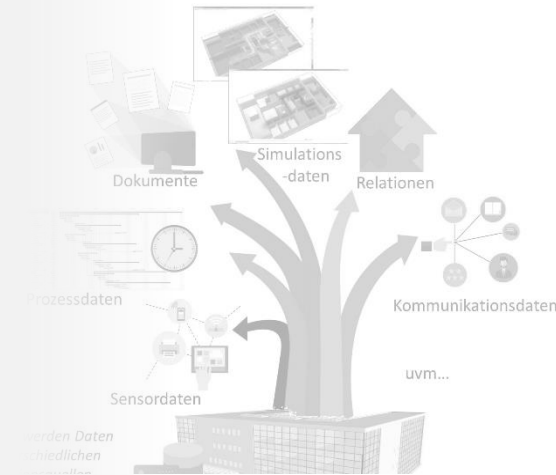
contractual specifi- cations



- often, experts are **unfamiliar with functional descriptions of specifications** (what are requirements by contract, what is just design work, that fulfils these requirements)
- **different wording** (e.g. cost, price, fee, functional specifications) from different industries causes **confusion**
- some partners tend to rely on traditional instruments, e.g. **notice of changes, notice of delays**



- **continuous training for clients and suppliers**
- in the project, a dedicated and **qualified project implementation team** for construction specifications should be implemented
- close coordination of that team with scheduling and cost estimating
- risks of managing any **suppliers/services provided by the client**, need to be included in the alliance
- use of common wording across similar projects



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



estimating target costs



- when alliancing is chosen for accelerating the project or to meet a political milestone, the **exit-option seems unrealistic**
- **until now TOC estimation starts** (too) **late and lacks a clear structure** – often lack of understanding pricing system and/or shortage of capacity
- (too) **early negotiation of additional regulations** (e.g. price indexing)



- **realistic exit-option** in project schedule is strictly necessary
- in the project, a dedicated and **qualified project implementation team** for target costing must be implemented
- **guidelines regarding the process and** (minimal) **capacity for estimating TOC** should be implemented in the contract and possibly combined with a sanction mechanism
- **competence in evaluating costs within client organization** (or with consultants) is a must



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



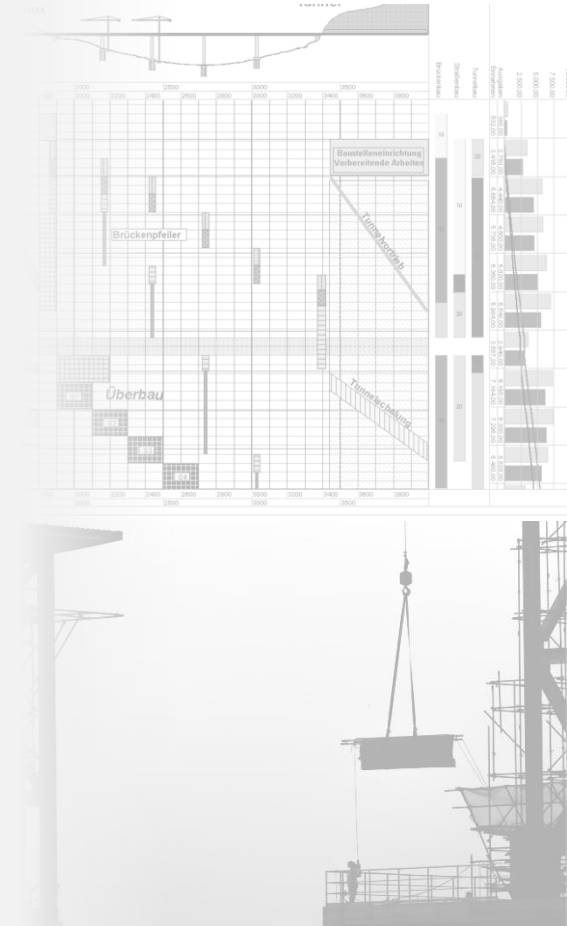
implementation phase (phase 2)



- partially **tasks across the hierarchy of the project organization** are not separated clearly (e.g. PMT concerns themselves with detailed technical questions)
- occasional deficiencies in **managing processes** and **decisions**
- **project and construction clearly benefit from 'best for project' mentality**
- **staff fluctuation** heavily **disturbs project management** and daily tasks within the alliance



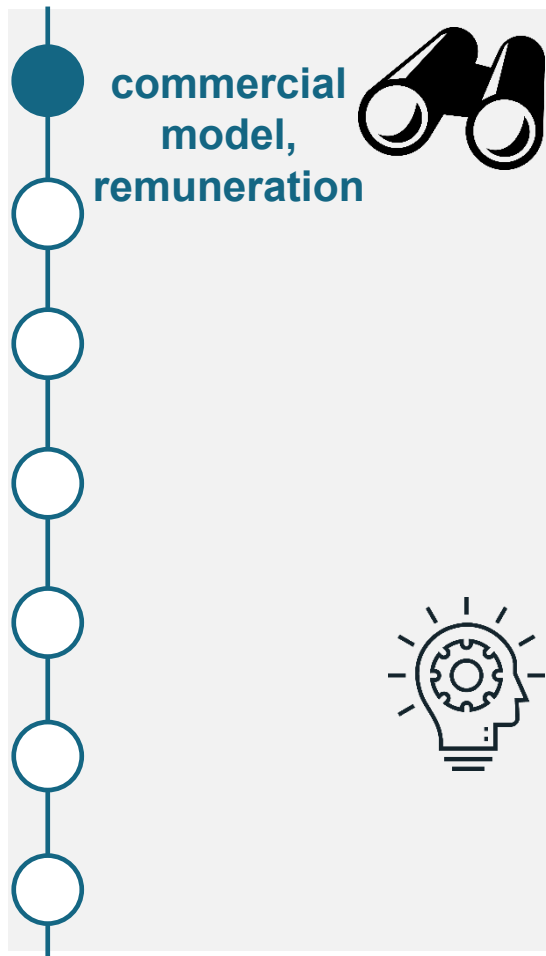
- **consistently implement project organization and adhere to specified roles** – possibly supported by alliance manager or alliance facilitators
- when managing joint decisions within project teams: **separate technical responsibility from management responsibility**
- **continuous ,onboarding'** for new staff



Images: pixabay.com

Alliancing in Germany

Observations and Experiences



commercial model, remuneration



- wide **misconception of cost-plus-fee-model**: not all occurred costs (until target costs) are eligible for remuneration
- **cost-controlling** appears to be **challenging due to supplier-specific accounting particularities** (e.g. certain positions need to be separated for balance sheets)
- some **commercial processes / systems** within client organizations need to be **adapted substantially to allow efficient project controlling in alliances** (e.g. asset accounting, ordering of works)
- little to no **control among suppliers** of **open-book** costs, invoices, works
- **diligent preparation of commercial processes** (also within client-organization) is critical for project success
- clients should **provide guidelines for IT-systems, structuring target costs and commercial requirements**
- **regulations for cost-plus remuneration** within the alliance contract are essential and need to be adhered to



Images: pixabay.com

Alliancing in Germany

Quo vadis? Recap and Prospects

Alliancing has been well-established in Germany in the past 5 years. Best-practices and experiences are shared industry-wide, a 'hype' is observed

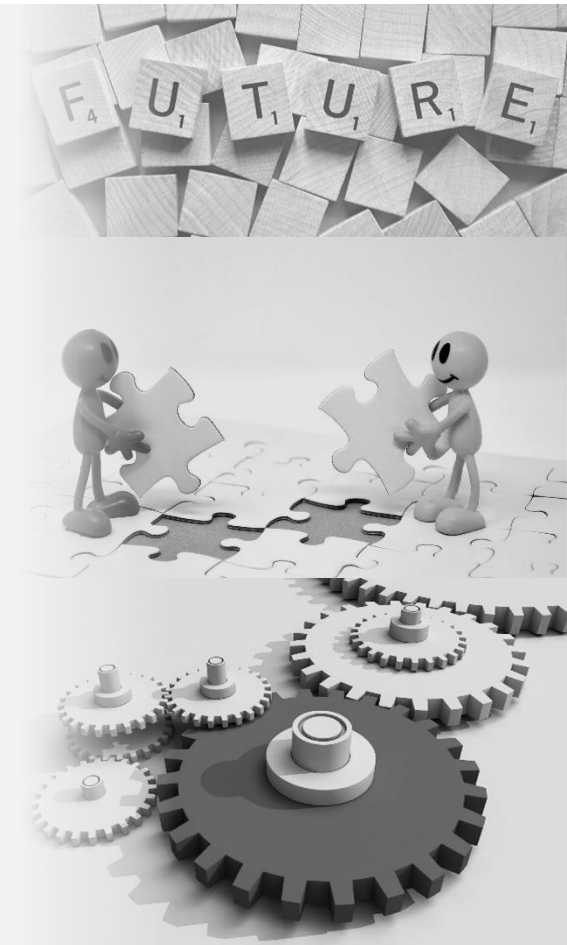
Until now, only a small fraction of the potential for efficiency and innovation has been realized. Projects appear to be mostly successful, nonetheless.

Currently identified issues mostly resulted from insufficient preparation of processes and guidelines as well as lack of personnel expertise. Continuous development of this PDM* is called upon.

We need to find the balance between overcomplicating contracts by micro-managing processes and simply relying on the 'mindset'

This PDM* could accelerate the long-term transformation of the construction industry but will remain suitable only for a small share of projects across the industry.

The key success factor for widespread implementation of alliancing is the training and professional development of skilled personnel.



Images: pixabay.com

*PDM – project delivery model

- Ross, J. 2009 Alliance Contracting: lessons from the Australian experience, PCI Alliance Services, VDI-Bau
- Kadefors, A; Aaltonen, K.; Gottlieb, S. C.; Klakegg, O. J; Lahdenperä, P.; Olsson, N. O.E.; Rosander, L.; Thuesen, C. 2024 Relational contracting in Nordic construction – a comparative longitudinal account of institutional field developments, DOI [10.1108/IJMPB-01-2024-0014](https://doi.org/10.1108/IJMPB-01-2024-0014)
- Sundermeier, M.; Flüthmann, D.; Theuring, F.; Sommerfeld, S. 2023 Herausforderungen und Potentiale der Integrierten Projektabwicklung, VBI, https://www.vbi.de/wp-content/uploads/2024/08/VBI_IPA-Studie_01-23_ISBN.pdf
- Austroads; Australian Procurement and Construction Council 2014 Building and Construction Procurement Guide: Principles and Options, <https://austroads.gov.au/publications/project-delivery/ap-g92-14>
- DB FZI GmbH, tendering document „Anlage zur Ausschreibung zur Vergabe-Nr.: 23FEI65358, Anlage A.1, Partnerschaftsmodell Schiene – PM 2+“ 2023
- Sundermeier, M; Beidersandwich, P; Kleinwächter, H.; Rehfeld, T 2020 final report of ‚Partnerschaftliche Projektabwicklung für die Schienenverkehrsinfrastruktur‘, not published
- Hatami Rad, P. 2025 Analysis of Selection Criteria for Project Delivery Methods in the Construction Industry, Masters‘ Thesis, supervised by Sören Sommerfeld
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- Breyer, W. 2023 Partnerschaftliche Projektabwicklungsmodelle auf Basis von Mehrparteienverträgen, https://ipa-zentrum.de/wp-content/uploads/2023/07/Partnerschaftliche-Projektabwicklungsmodelle-auf-Basis-von-Mehrparteienvertraegen_Breyer.pdf
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side note

Official Order of Fees for Services by Architects and Engineers – HOAI

HOAI defines nine *service phases* for architecture and engineering related works:

1. basic evaluation
2. preliminary planning
3. draft planning
4. approval planning
5. execution planning
6. award preparation
7. assisting with the awarding process
8. project monitoring – construction supervision and documentation
9. project supervision

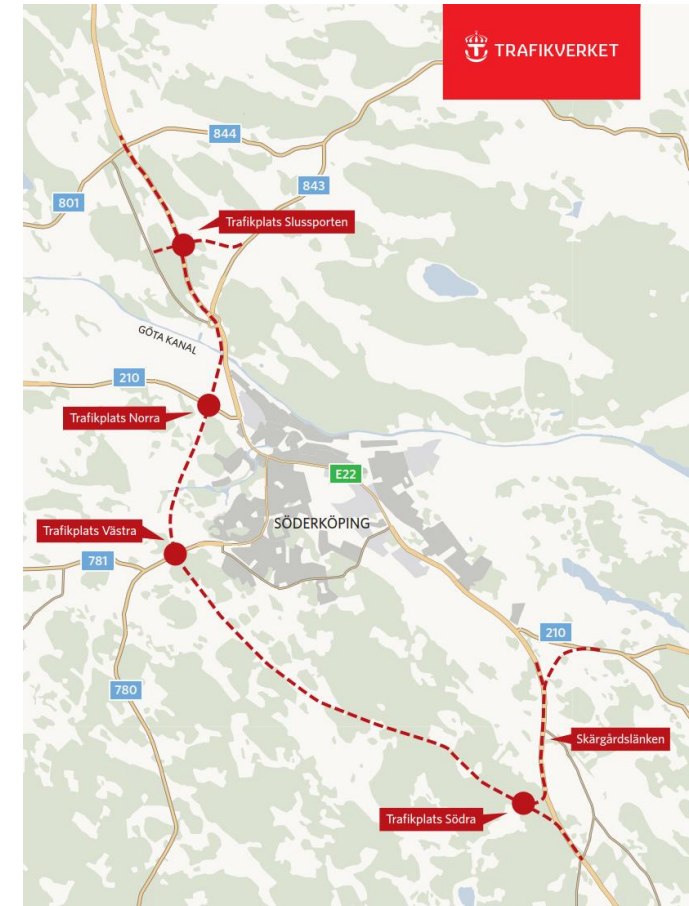


image: beck-shop.de

Springer Fachmedien Wiesbaden 2013, p. 173

The Soderkoping bypass in brief

Length:	just over 10 km
Aqueduct:	at passage of Gota canal
No. of lanes:	2+2 or 2+1
Speed limit	100 km/h
intersections:	four
ADT 2022:	12,000-17,000 (<i>Average daily traffic</i>)
Construction start:	2026-2030 (<i>Planned</i>)
Construction period:	about 4 years
Cost:	SEK 2066 million, roughly EUR 183 million (2022 prices)



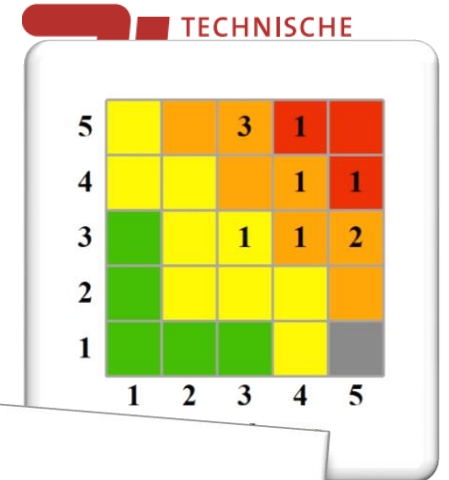
Challenges and risks

Ordinary construction

- Traffic during construction (both road and water)
- Will be handled according to standard practice

Passage of Gota canal

- Complicated geotechnical conditions
 - Landslide in canal, loose clay and blocky moraine, groundwater
- Existing infrastructure (both road and water)
- Main tap water source for Soderkoping citizens



COWI

Projekt: ...

Dokument: ...

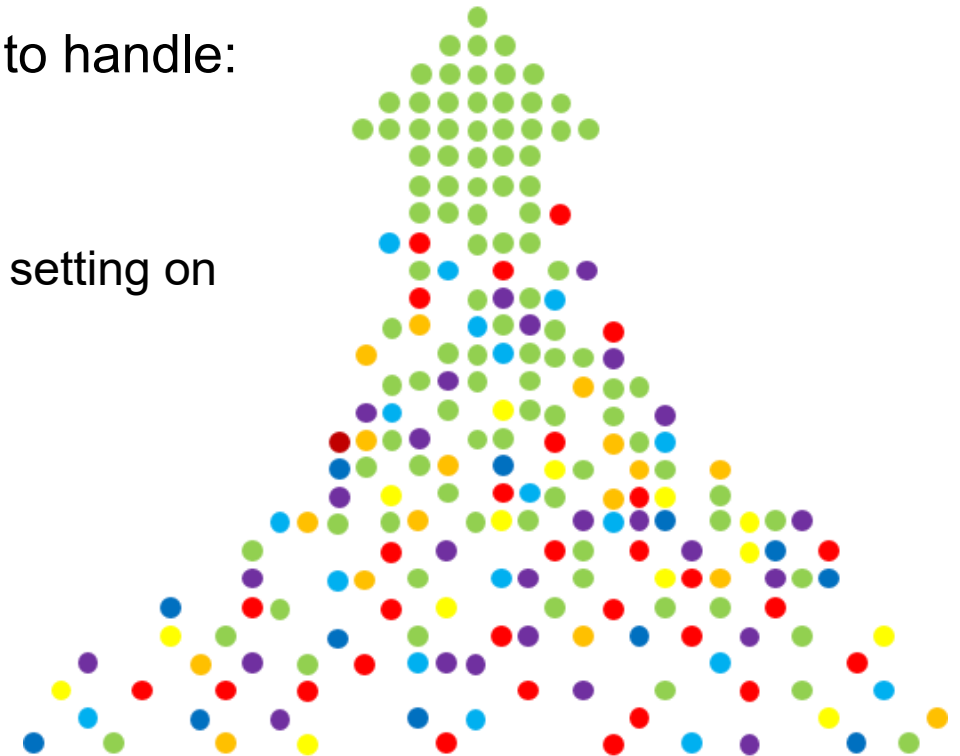
Datum: ...

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Expectations on contract relationship

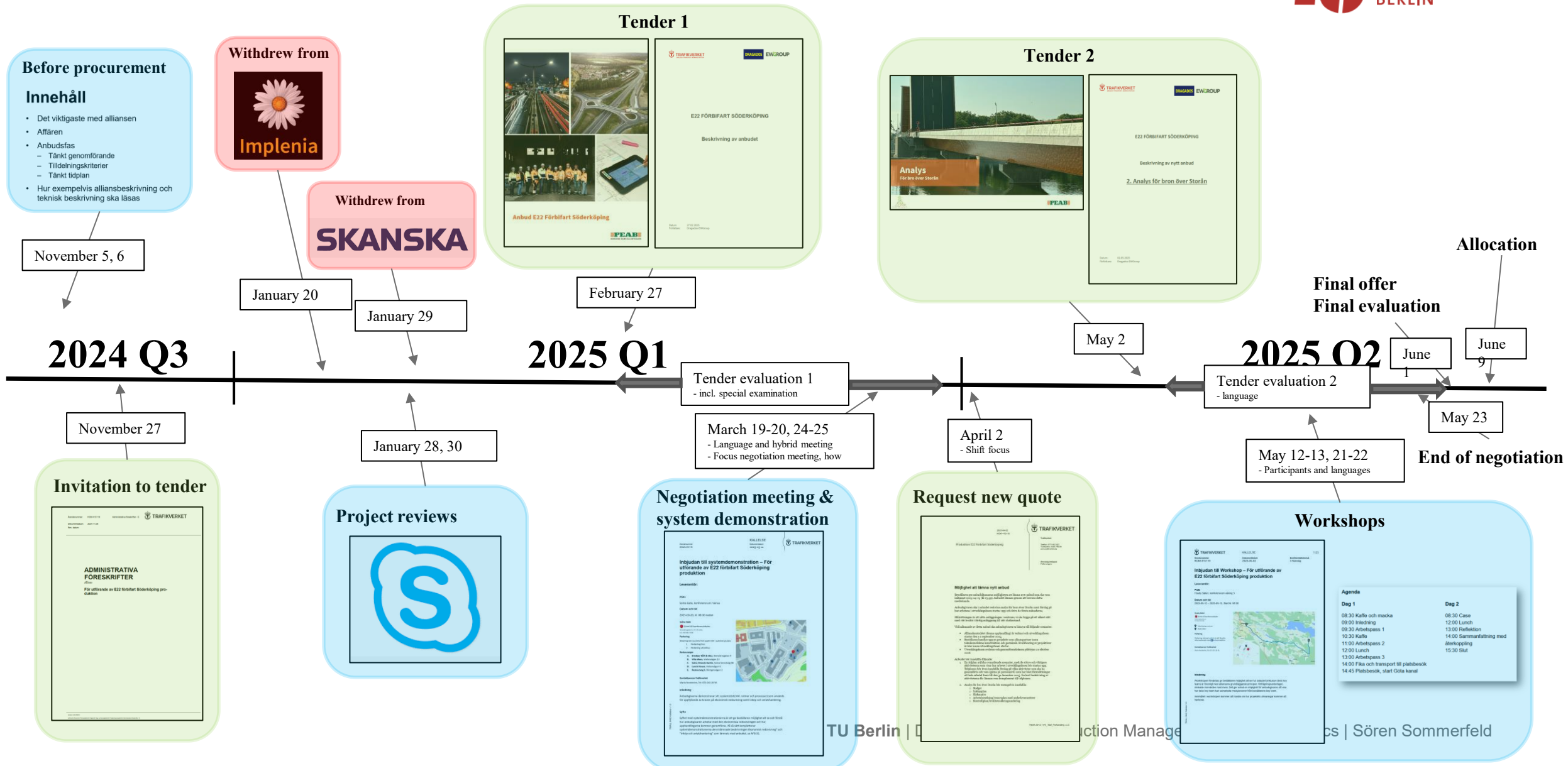
- Work together with mindset "The best for the project"
 - Client, designer and contractor work as one part
- Proactive and foreseeing planning/design/construction, to handle:
 - Landslide in Gota canal
 - The drawbridge gets stuck in half-open position
 - Massive leakage of groundwater which can cause serious setting on surrounding ground and buildings

Goal of Alliance



PROJECT CLIENT CONTRACTOR
DESIGNER

1. The process here



The Alliance Model

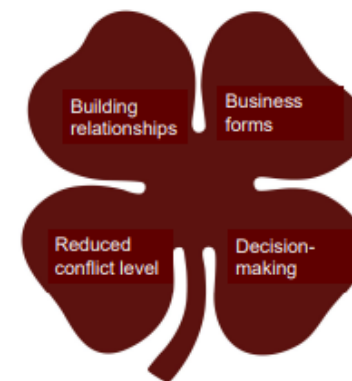
-in Swedish

KTH 2025-11-06

Supplier's first choice

Business-friendly procurement

- New business models will be tested, e.g. Alliance



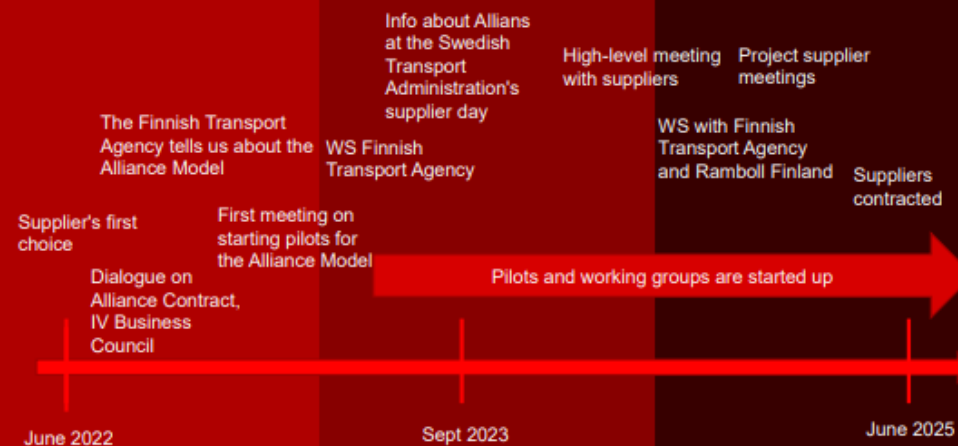
Relational Contracts

We knew this:

- Great support from TRV and suppliers
- Compensation and compensation models are difficult
- There needs to be trust in collaboration as a working method
- A structured approach is needed to develop the method
- Are resources needed to implement and follow up

To succeed, we need:

- clear and common goals
- clear expectations of each other
- open and regular communication
- clear division of responsibilities
- respect and trust for each other
- flexibility for the unexpected
- the right quality and performance of our deliveries





6



Alliance contract

- A new multi-party agreement is created between the client and the alliance partner.
- We will use a template contract developed by our legal experts.



7



Nu har vi kastat loss, nu kör vi!

Diskussionsfrågor

- Ska vi arbeta mer med bilaterala tvåfaskontrakt och/eller allianser framöver?
- Hur kan vi främja kunskapsutbyte och lärande kring kontraktsmodeller?
- (Vilken forskning behövs?)