NyeVeier



Welcome to Nye Veiers Vendor Conference

Radisson Blu Plaza Hotel

12.09.2018

Agenda

- 08.15 09.00: Registration, coffe and mingling
- 09.00 09.15: Welcome to the vendor conference
- 09.15 09.30: **This is Nye Veier status autum 2018** by Managing director Ingrid Dahl Hovland
- 09.30 10.50: **Nye Veiers upcoming projects** Nye Veier's project directors
- 10.50 11.30: Breake
- 11.30 12.00: Operation contract for road and electrical Field Manager Operation and Maintenance, Tor Alf Høye
- 12.00 12.30: Slik gjør Nye Veier sine anskaffelser Director for contracts and procurement, Bjørn Børseth
- 12.30 13.15: Mingling, the chance to talk with the projects
- 13.15 15.00 **Separate session for operations and maintenance**

NyeVeier

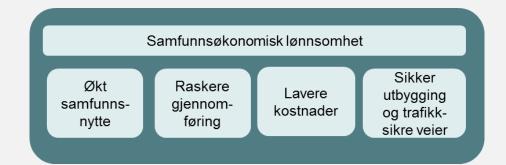


Nye Veier – status autumn 2018

Ingrid Dahl Hovland, Managing Director

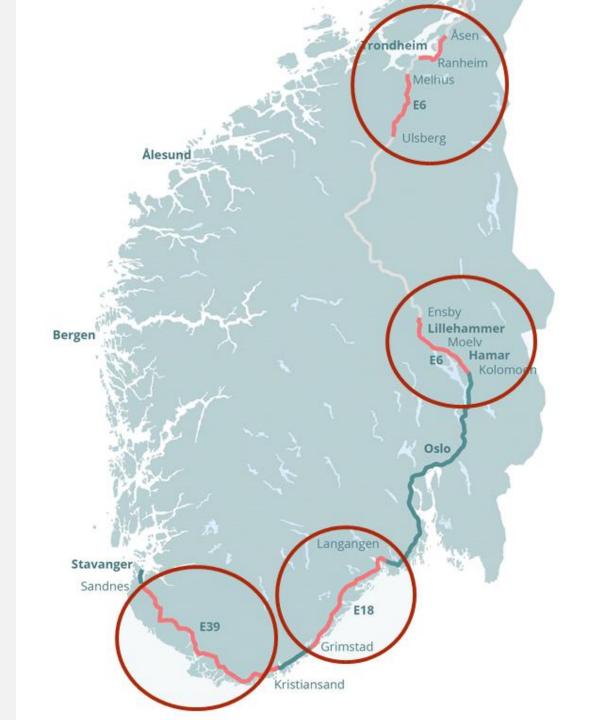
The company's mission

- White paper 25-2014/2015 On the Right Road (På rett vei)
- Plan, build, run and maintain important main roads
- Overall and cost-effective expansion and running of safe main roads
- Strengthen the competitive power of industry and commerce
- More effective, predictable and safer road transport
- More road for the money





- Normal capacity from the 1st of January 2016
- Governmental company wholly-owned by the Ministry of Transport and Communications
- Headquarters in Kristiansand
- A lean and effective builder organization with 145 employees
- Initial portfolio:
- 530 km classified road
- 148 billion NOK





Renewing by challenging ourselves to take a fresh perspective



Improving by bringing value to our work – every day



Assuring by guaranteeing that we take our social responsability seriously

Status autumn 2018

Construction work in process:

E18 Tvedestrand – Arendal (23 km)

E18 Rugtvedt – Dørdal (17 km)

E18 Kjørholt and Bamble tunnels

E6 Kolomoen – Arnkvern (19 km)

E6 Arnkvern – Moelv (24 km)



Status after two years of operations

- Very good cooperation with the construction business
- High HSE standard and Norwegian Confederation of Trade Unions coordinator in all of the projects
- High innovation pace and introduction of new solutions
- Offensive moves for the environment and climate
- Effective organization at complete operational capacity



20,5 Bn. NOK in increased social economic profitability

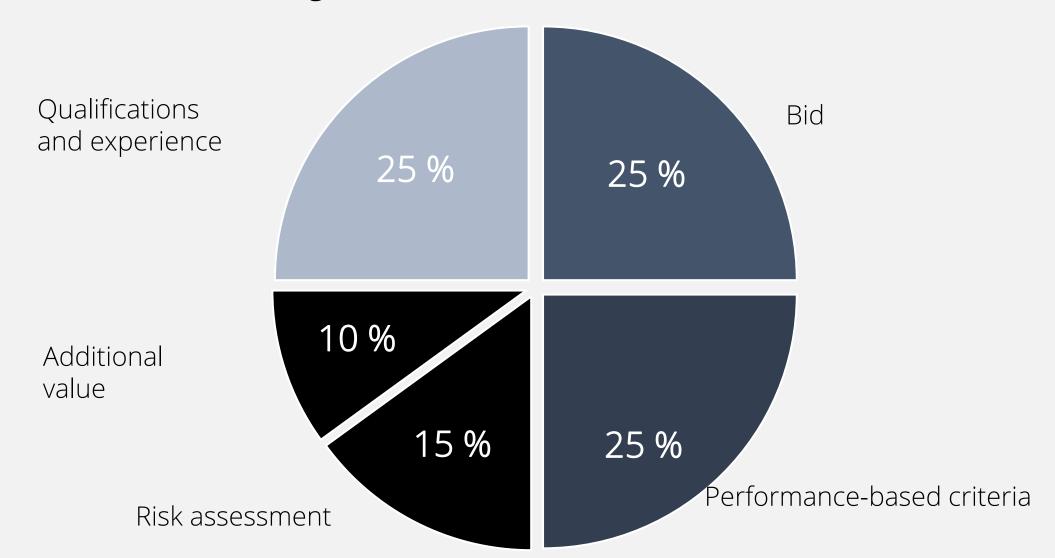
| | ▲ Net benefit Changed (increased) social economic profitability 2016-17 (M. NOK) | ▲ Benefit Changed benefit 2016- 17 (M. NOK) | △ Costs Changed costs 2016-17 (M. NOK) |
|----------------------------|--|--|---|
| E6 Moelv-Øyer south | +7508 | +1735 | -5773 |
| E6 Ranheim-Åsen | +6838 | +3021 | -3817 |
| E39 Kristiansand V-Lyngdal | +3313 | - 277 | -3590 |
| E6 Ulsberg-Melhus | +2581 | +2050 | -531 |
| E18 Langangen-Dørdal | +283 | -675 | -958 |
| SUM | 20523 | 5854 | -14669 |

Nye Veiers actions to reduce costs

- Overall implementation model
 - technology and innovation into the projects
 - industrialization
 - the contractor manages the design
 - facilitates for more effective operations over longer stretches
- Standardization
 - reduce the extent in and around route and road
 - the re-use and reduction of expensive elements (bridge, tunnel)
- Process innovation, simultaneously
 - financing, planning, designing and building

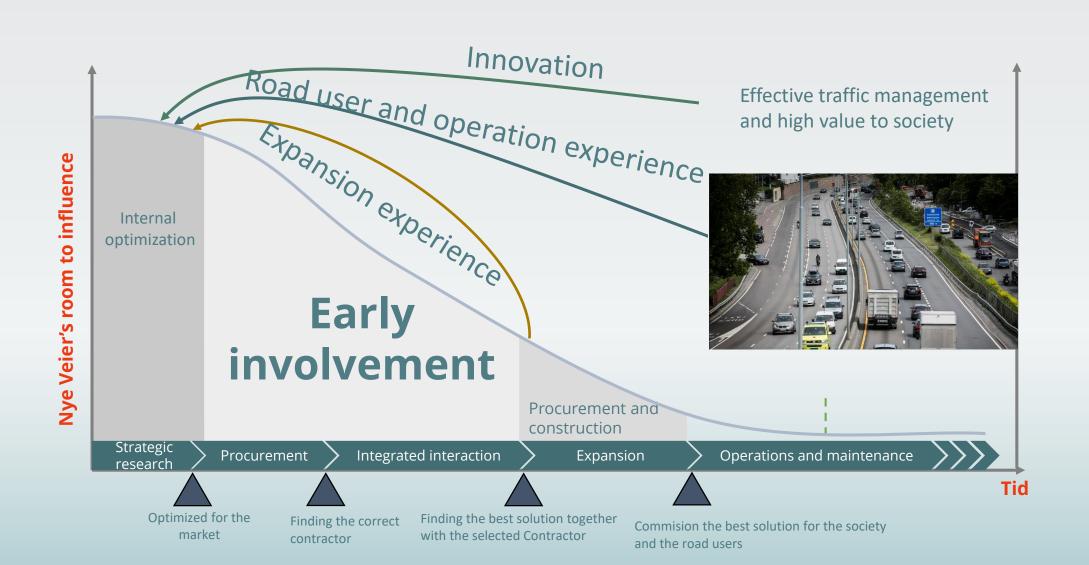
Performance procurement after e.g. Best Value Procurement (BVP)

Evaluation criteria Rugtvedt-Dørdal

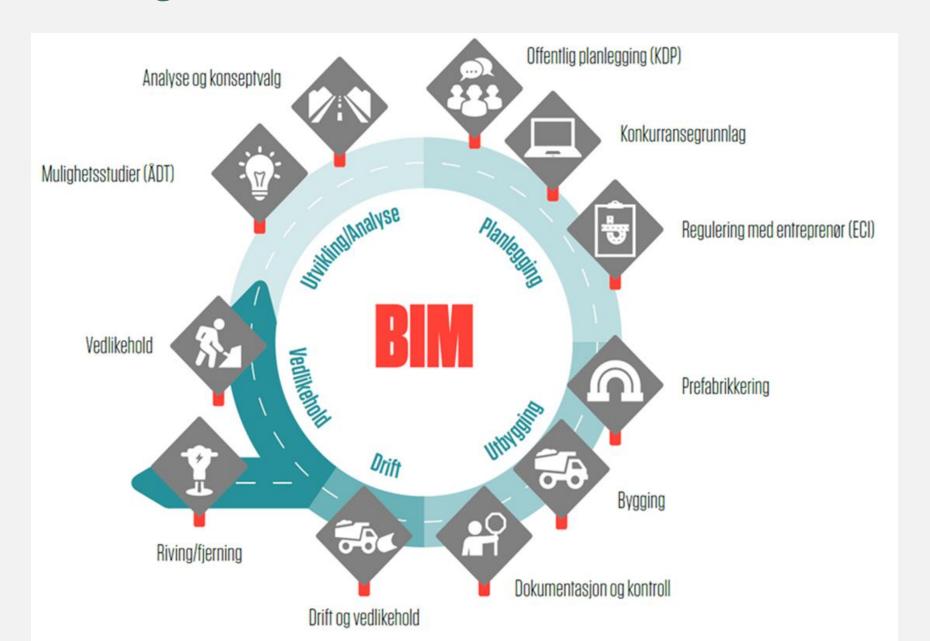


Overall process – good solutions in an operating time perspective

Repeating even better projects – increases the value to society



Digitalization throughout the value chain in 2020



Close collaboration with the Norwegian Confederation of Trade Unions and the Norwegian Tax Administration

- Nye Veier will have a Norwegian Confederation of Trade Unions coordinator in all of our projects
- Specific tasks for follow-up of salaryand working conditions
- Collaboration with the Norwegian Tax Administration against work-related crime
- Central i Nye Veier's work against social dumping







Thank you for listening!





fornyer forbedrer forsikrer

NyeVeier



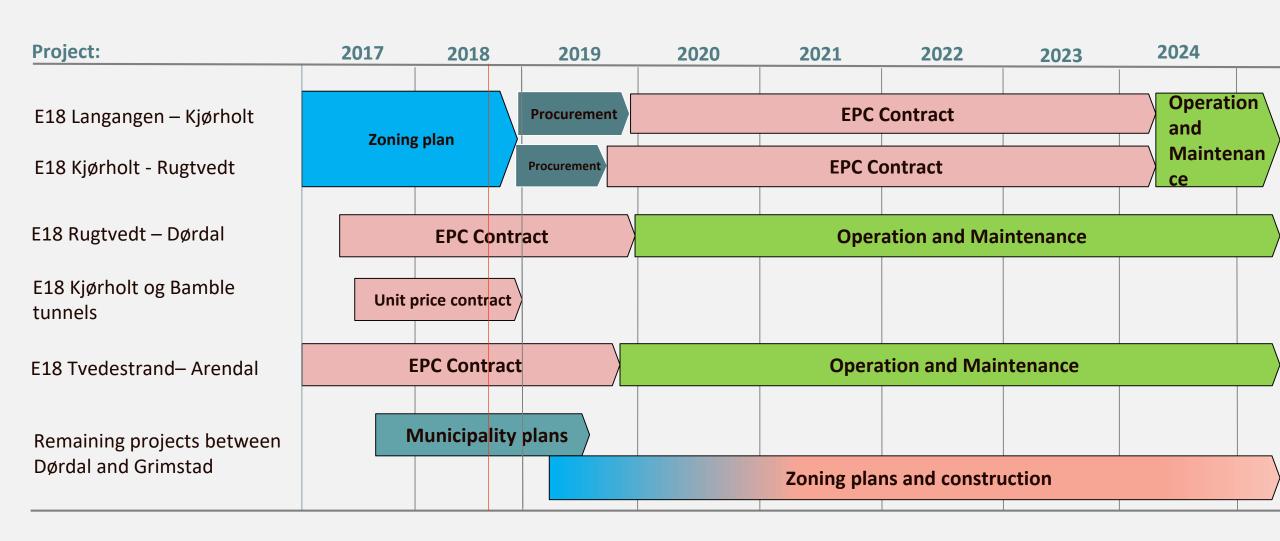
E18 Langangen-Grimstad

Magne Ramlo, Project Director E18 Langangen-Grimstad

Project status E18 Langangen - Grimstad

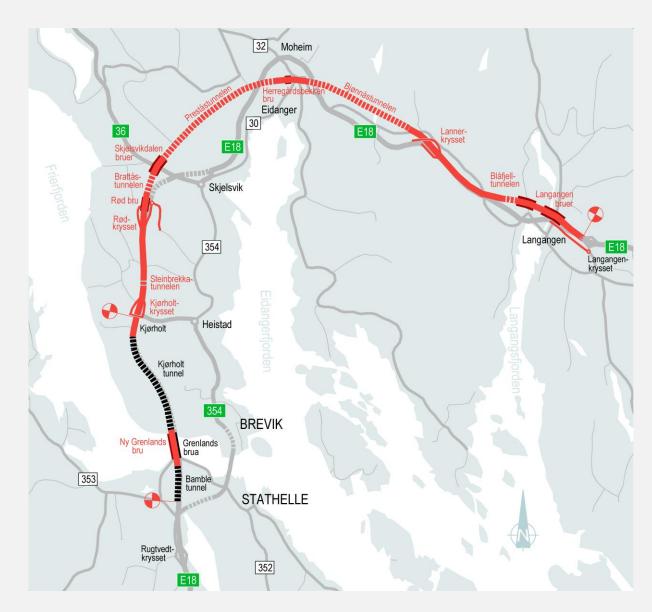


Project portfolio E18 Langangen - Grimstad



Contract Strategy E18 Langangen-Rugtvedt

- 2 contracts:
 - E18 Langangen Kjørholt 13.2 km
 - New 4 lane highway incl. several bridges and tunnels
 - E18 Kjørholt Rugtvedt 3.5 km
 - Completion and installation works for two tunnels already excavated and secured
 - Construction of the new Grenland bridge
- EPC contracts based on NS8407
- Tender and procurement process according to «Best Value Procurement»
- Tender documents to be issued Q4 2018
- E18 Kjørholt Rugtvedt to be entered into first
- For E18 Langangen –Kjørholt it might be an option to include remaining works for completion of the zoning plan



Contract 1: E18 Langangen - Kjørholt

Roadworks

ca. 6 000 m

Tunnels (two in parallell except for Steinbrekka):

Blåfjell

ca. 350 m

Bjønnås

ca. 2 250 m

Prestås

ca. 2 900 m

Brattås

ca. 400 m

Steinbrekka

ca. 200 m

Bridges:

Langangen 1

ca. 400 m

Langangen 2

ca. 250 m

Herregårdsbekken

ca. 55 m

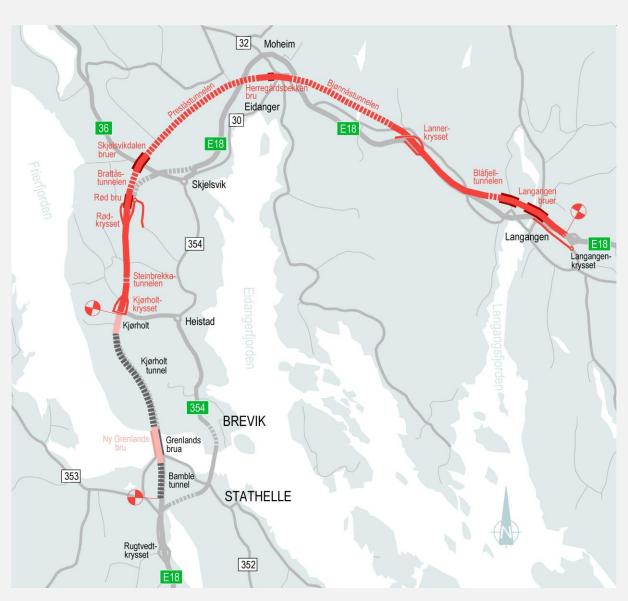
Skjelsvikdalen *)

ca. 205 m

Rød

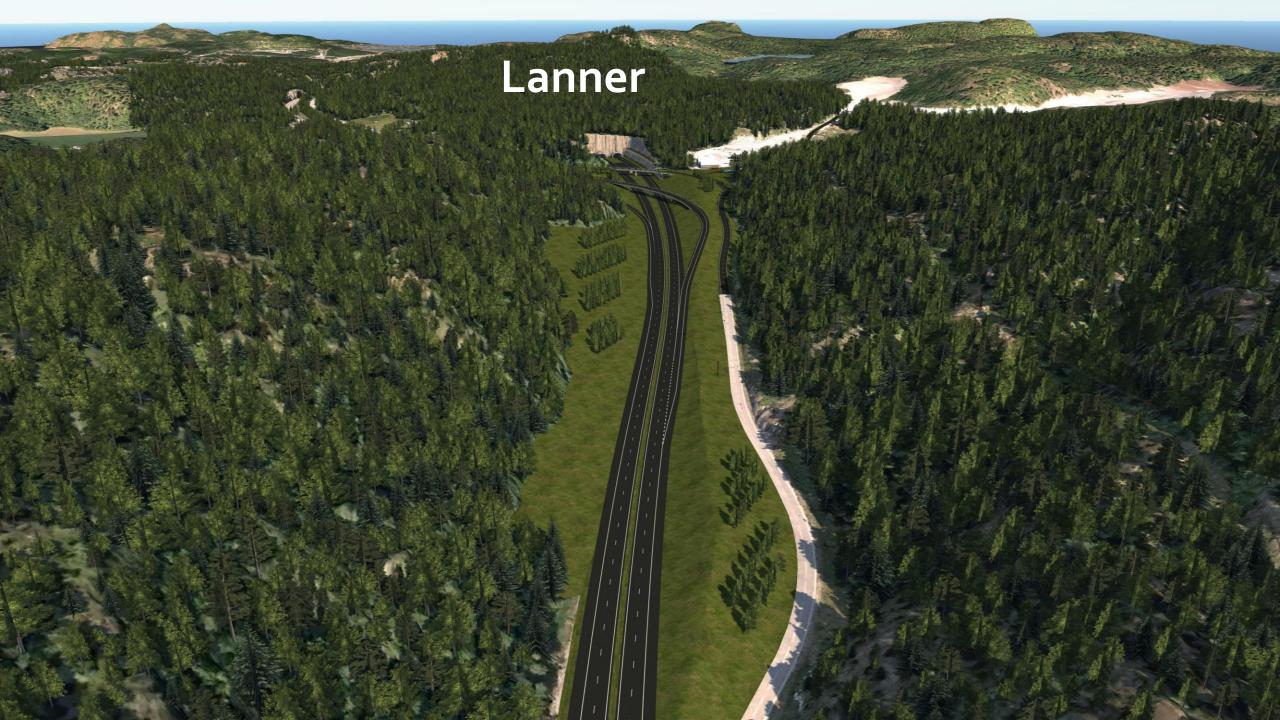
ca. 200 m

• 3 intersections at Lanner, Rød and Kjørholt



^{*)} Cut & cover tunnel as an option













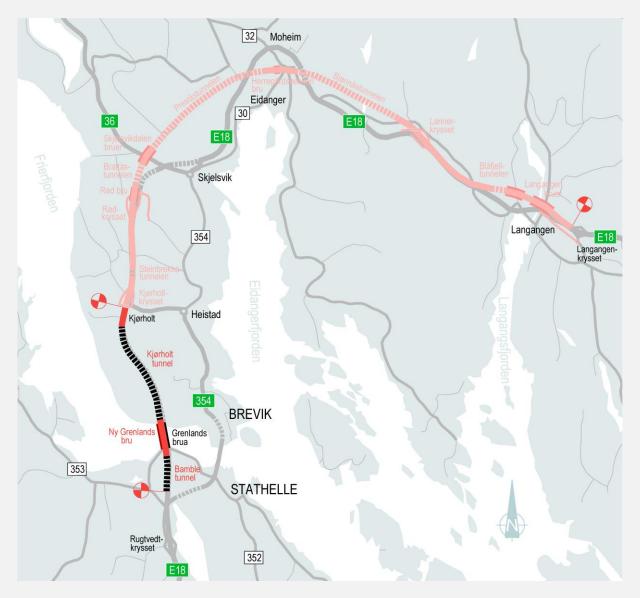
Contract 2: E18 Kjørholt - Rugtvedt

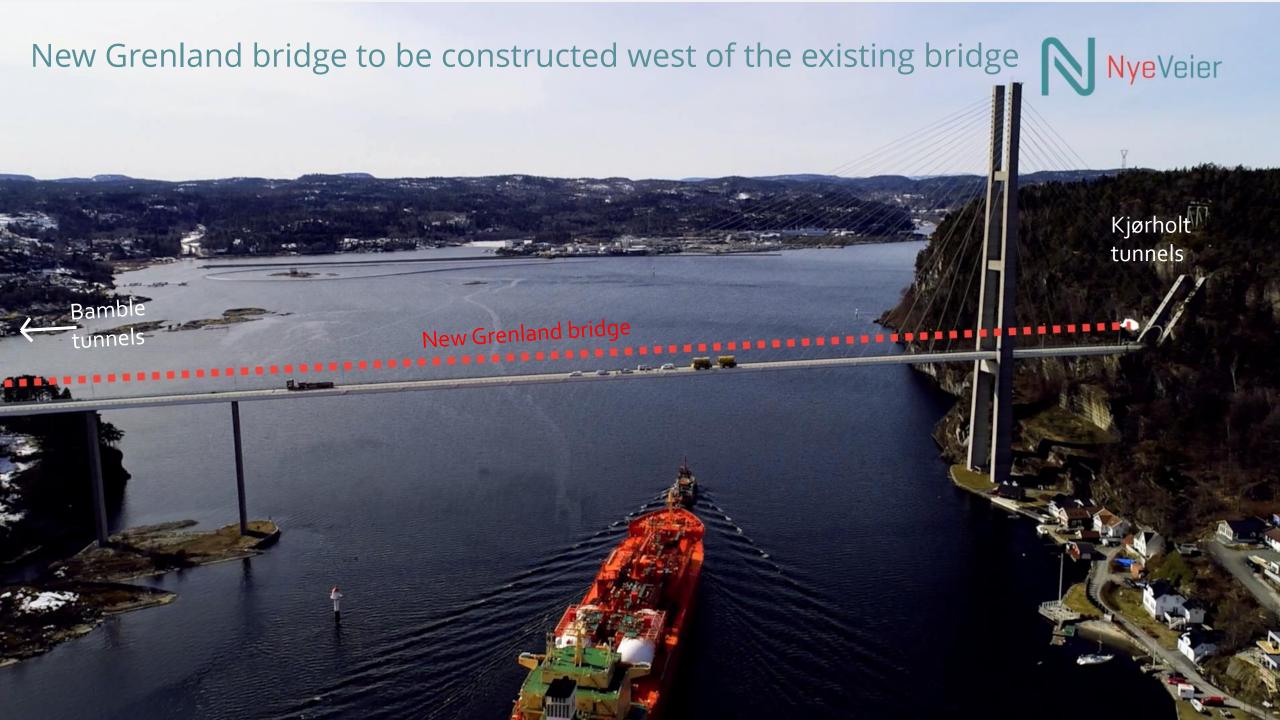
New Grenland bridge ca. 600m

Completion and installation of newly excavated tunnels:

Kjørholt tunnel ca. 2 200m

Bamble tunnel ca. 750 m





Grenland bridge



Kjørholt tunnels – southern exit



New Bamble tunnel – northern exit



Bamble tunnels – southern exit in Rugtvedt



E18 Dørdal-Grimstad – Work with the municipal sector plan is in N progress



E18 Dørdal-Grimstad – possible construction start in 2020 N



NyeVeier

NyeVeier

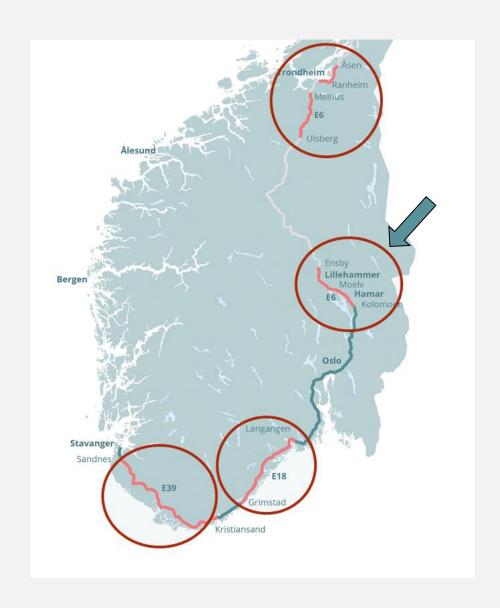


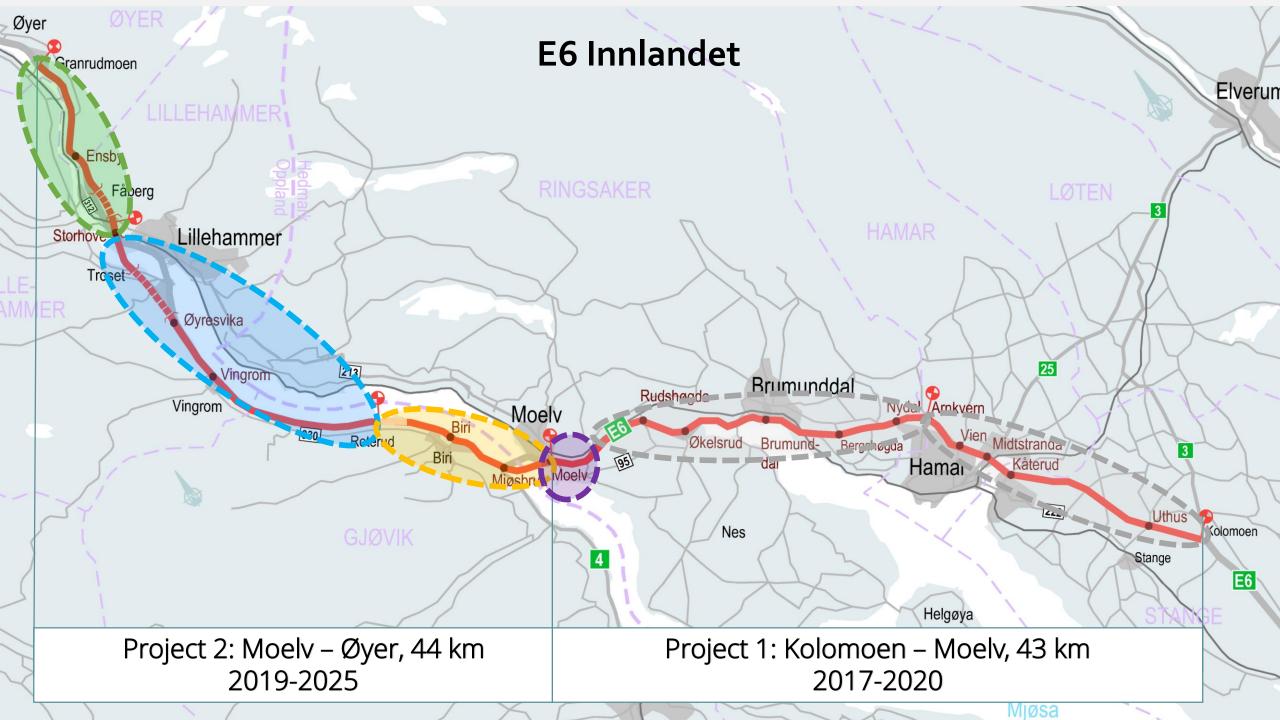
E6 Innlandet

New contracts E6 Kolomoen – Øyer Øyvind Moshagen, Project Director E6 Innlandet

- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
- Which contractor will be awarded the contract?

- 2 projects
 - E6 Kolomoen Moelv
 - E6 Moelv Øyer
- 6 large EPC-contracts
 - 2 ongoing
 - 1 announced 2018
 - 3 announced 2019*
- Smaller contracts on byroad upgrades in 2026.





Agenda

- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
- Which contractor will be awarded the contract?

E6 Kolomoen – Moelv

Key figures

- 43 km under construction
- 700 construction workers
- BetonmastHæhre and Veidekke
- 650.000 man hours
- 0 absence due to injuries
- 0 environmental damages

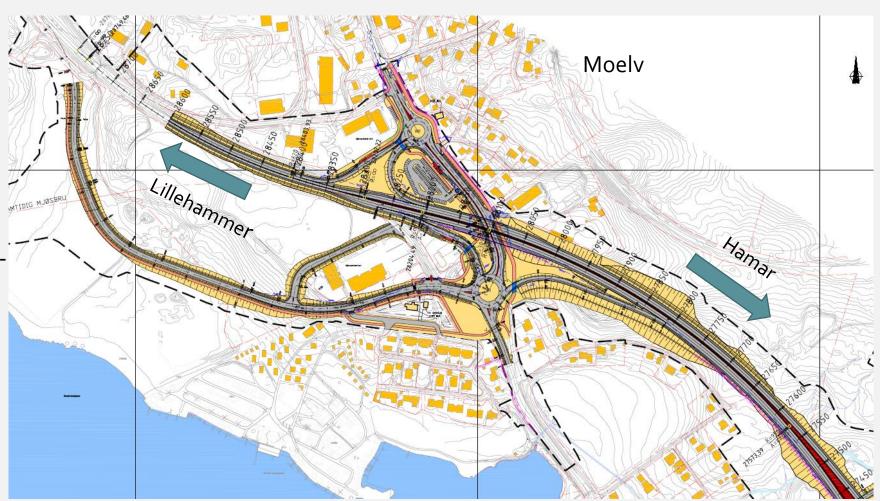
 The final construction contract will be announced in the autumn of 2018.



EPC-contract will be announced autumn 2018.

Interchange E6 Moelv

- Zoning plan adopted 2017
- Engineering
- Ca. 1 km E6
- Slip roads
- Local road system
- Bus lay-bys and parking
- Roundabouts
- Noise barriers and noisedeflection walls
- Drainage
- Lighting
- Smaller retaining wall
- Some local water supply and sewage
- To be completed Oct/Nov 2020.





- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
 - E6 Moelv Roterud
 - E6 Roterud Storhove
 - E6 Storhove Øyer
- Which contractor will be awarded the contract?

The project is divided into three EPC-contracts

E6 Moelv -Roterud [~11 km]

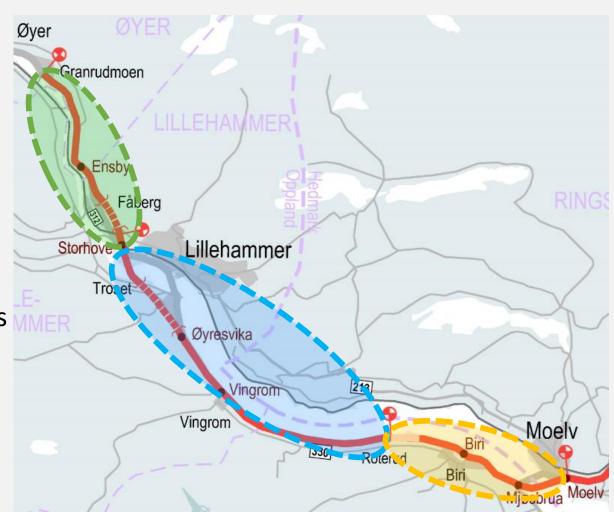
- Lake Mjøsa bridge (~1,6km)
- 4-lane highway on each side of Lake Mjøsa bridge (~9,4 km)
- 8 smaller structures and 2 interchanges

E6 Roterud -Storhove [~21 km]

- 4-lane highway (~16km)
- Øyresvika tunnel (~4,2 km)
- New Lågen bridge (~0,7km)
- 19 smaller structures and 3 interchanges

E6 Storhove -Øyer [~12 km]

- Fåberg tunnel (~1,6km)
- 4-lane highway (~10,4 km)
- 6 smaller structures and 1 interchange



EPC-contracts with project development and optimization (Municipal sector plan adopted)

E6 Moelv -Roterud [~11 km]

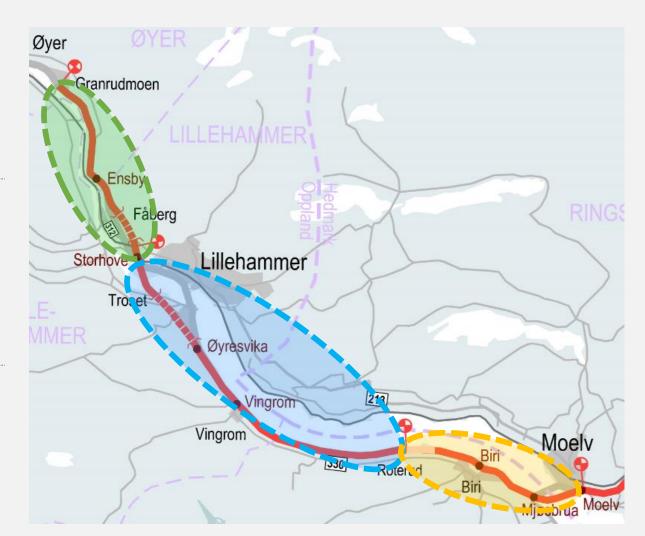
- EPC-contract with a collaboration phase. The Contractor participates in the development of the zoning plan.
- Pre-qualification Q2 2019

E6 Roterud -Storhove [~21 km]

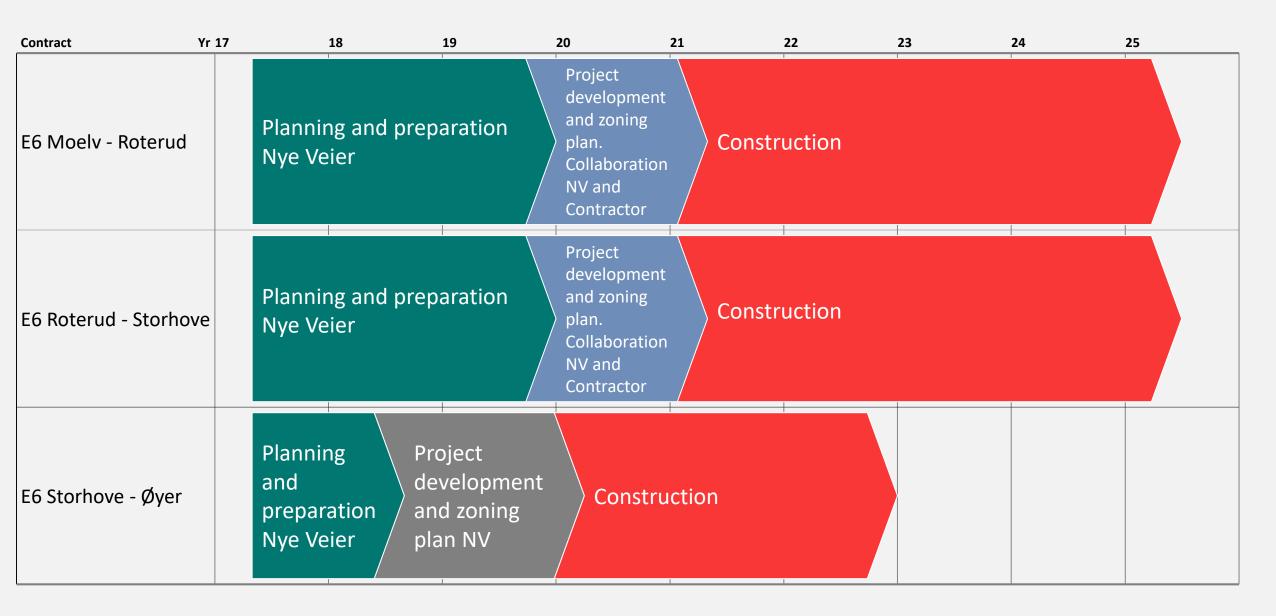
- EPC-contract with a collaboration phase. The Contractor participates in the development of the zoning plan.
- Pre-qualification Q3 2019

E6 Storhove -Øyer [~12 km]

- EPC-contract with optimization.Zoning plan developed by Nye Veier
- Pre-qualification Q2 2019



General tentative schedule for E6 Moelv – Øyer. Pre-qualification prior to Q2 2019



Nye Veier seeks to utilize the Contractors' competance to optimize the project. **Collaboration.**

- Early contractor involvement
- Innovation
- Optimizing the value to society
- Overall development of the project
- The Contractor discovers the good solutions
- Open collaborative culture



- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
 - E6 Moelv Roterud
 - E6 Roterud Storhove
 - E6 Storhove Øyer
- Which contractor will be awarded the contract?

E6 Moelv – Roterud (~11km) includes the construction of a new Lake Mjøsa bridge, which will have a particular focus in the project

- Some of the criteria for the Contractor selection:
 - Bridge concept
 - CO₂/climate
 - Competance and experience
 - Project execution plan
 - Cost-efficient solutions



 Nye Veier seeks to find the best possible bridge concept through collaboration with the Contractor and interested parties















NyeVeier

Ongoing sub-surface surveys for the new Lake Mjøsa bridge

- Major costs related to the foundation
- Thorough site investigations produces valuable knowledge
- Risk reduction
- Cone penetration testing and comprehensive sample testing (ca. 100 drilling holes)



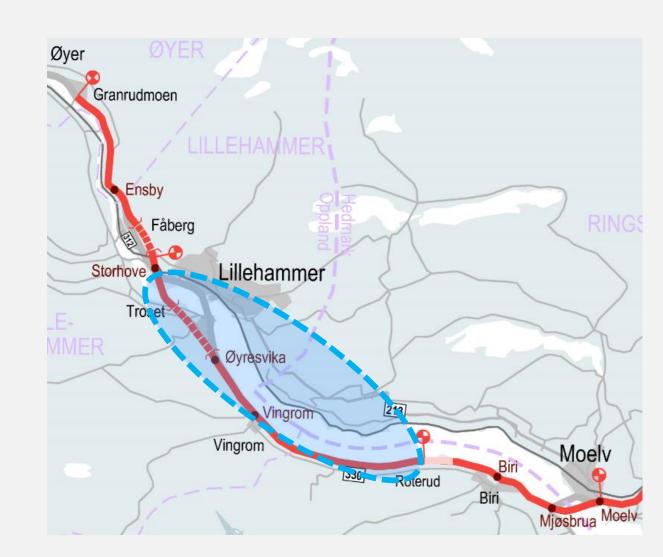
Northern contract border. Some width expansion of the existing 4-lane highway is required.



- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
 - E6 Moely Roterud
 - E6 Roterud Storhove
 - E6 Storhove Øyer
- Which contractor will be awarded the contract?

E6 Roterud – Storhove (~21km) is a varied project with a 4-lane highway, a long tunnel and a major bridge.

- Ca. 4,2 km tunnel, 2 x T10,5
- Ca. 700 m Lågen bridge for E6
- Ca. 16 km of existing highway
 - Secure and good road construction along the existing E6
 - Agricultural road crossings
 - Mass haulage
 - CO2 focus in bridge concept
 - Environmental requirements in nature reserves







Crossing of Lågen natural reserve – ca. 700 m long bridge N



- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
 - E6 Moelv Roterud
 - E6 Roterud Storhove
 - E6 Storhove Øyer
- Which contractor will be awarded the contract?

E6 Storhove – Øyer (~12km) with the construction of a tunnel and expansion of the existing 2-lane highway.

- Ca. 1,6 km 2xT10,5 tunnel
- Ca. 8,5 km development of the existing highway
 - Mass transfer
 - Selecting good and optimal solutions within the framework of the zoning plan









E6 Storhove – Øyer has an ongoing mini-competition for a technical consultant assignment for the zoning plan with consequence analysis

- Develop technical plans and documentation
- Complete zoning plan with impact assessment in two municipalities.
- Special focus on:
 - Schedule
 - Innovation in the process and solutions
 - Communication
 - Facilitate good construction engineering
 - Achievement of objectives



- E6 Innlandet
- E6 Kolomoen Moelv
- E6 Moelv Øyer
- Which contractor will be awarded the contract?

Which contractor will be awarded the contract?

The Contracting team with the best appreciation for the project, the procurement process, and that has the best contribution to the project's overall targets, whilst at the same time reducing the Builder's risk. Development area with ca. 2 billions in yearly revenue, until the end of 2025. Pre-qualification for these three large EPC-contracts begins Q2 2019. Welcome!

NyeVeier



E39 Lyngdal - Sandnes

Asbjørn Heieraas, Project Director E39 Kristiansand - Sandnes

E39 – Sandnes - Kristiansand

- 170 km highway
- 5 6 billion euro
- Two contracts awarded

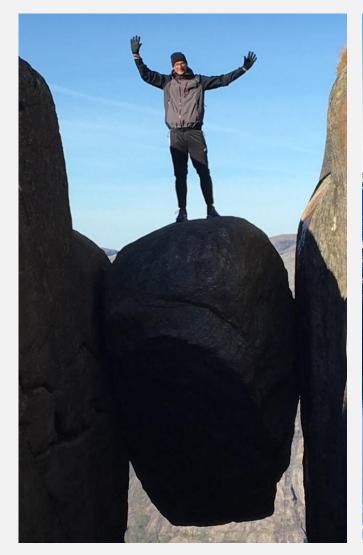


The south west region





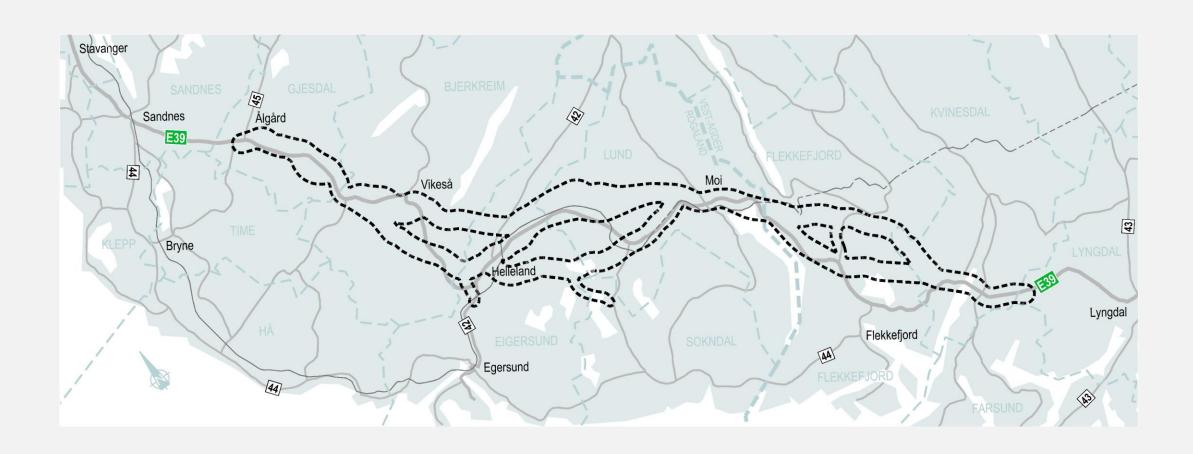
Rogaland







Sandnes to Lyngdal West

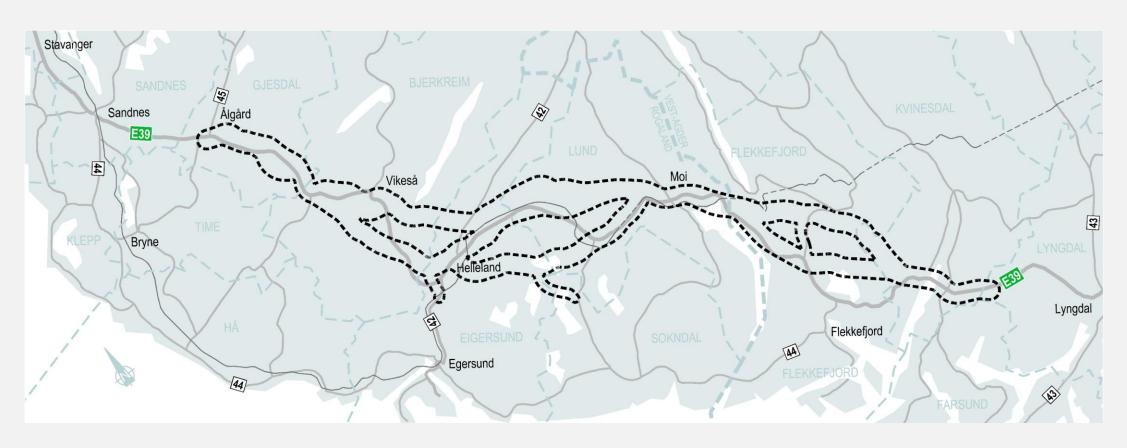


Next contracts



- To the market 2019
- 200 million euro
- 600 million euro

Lyngdal West to Sandnes



Infrastructur for generations

- Safer transport
- Shorter transport
- Lower costs
- Opening in 2027



NyeVeier



E6 Trøndelag – Project Portfolio

Johan Arnt Vatnan, Project Director E6 Trøndelag

Nye Veiers project portfolio in Trøndelag / Mid-Norway

• 106 km with new E6:

E6 Ulsberg-Melhus S E6 Ranheim-Åsen

- EPCC with 20 years maintenance (guarantee)
- Cost of portefolio before optimization: NOK 29 billions
 - \Rightarrow 4 lain motorway and 2-/3-lains road
 - \Rightarrow 90 og 100 km/h speed



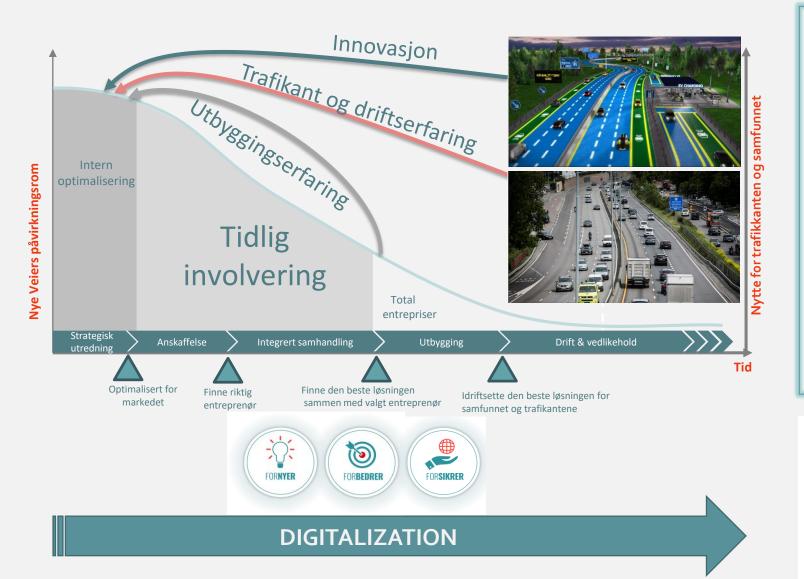
- Optimization
 - ⇒ In general 4 lain motorway
 - \Rightarrow 110 km/h speed
 - \Rightarrow 20% cost reduction



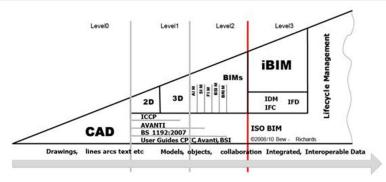




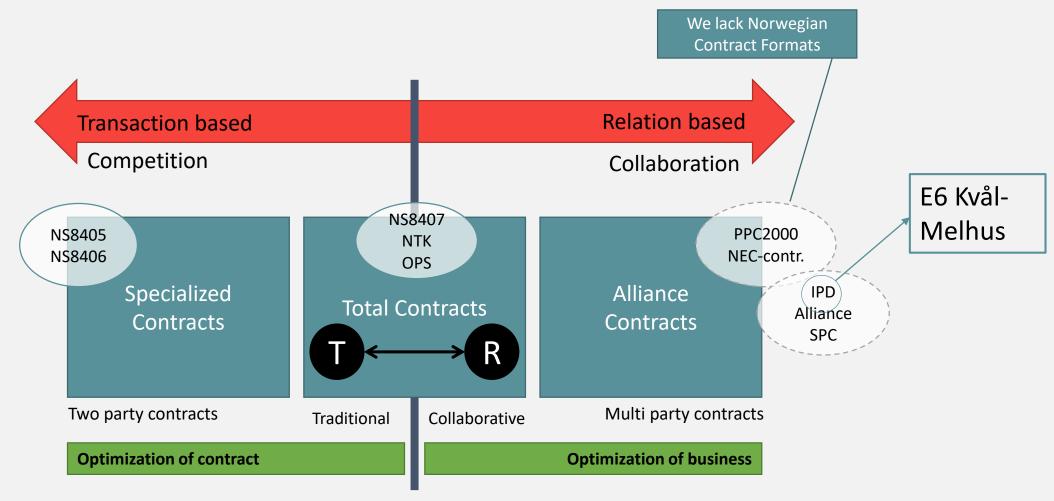
Project and Execution strategy



- Revised and new Project models Design & Build -
- BVP Best Value Procurement performance goals and risk focus
- Increase Project Value
- Strong focus and requirements to HSE and CSR
- Real collaboration



New Map Characteristics

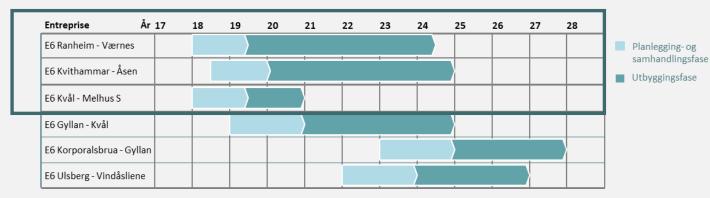


Kilde: Ole J. Klakegg, prof. NTNU

Mod.: Johan Arnt Vatnan

Contract strategy

- 6 Contracts
- Integrated collaboration Integrated Project Delivery
- Phase 1
 - Optimization
 - Conceptual design
 - Revised or new zoning plans
- Phase 2
 - EPCC with 20 years guarantee (maintenace)

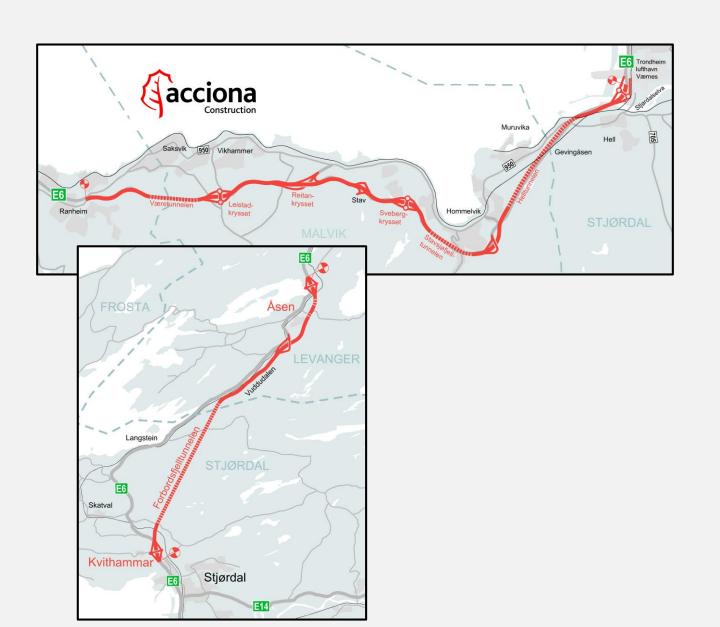




Contract strategy – E6 North

- 2 Contracts
- E6 Ranheim—Værnes
 - 23 km
 - Contract value approx. 4,0 bill NOK
 - Integrated Collaboration contract
 - Clarification phase
 - Planned contract date 28.09.18

- E6 Kvithammer—Åsen
 - 19 km
 - Contract value approx. 3,8 bill NOK
 - Integrated Collaboration contract
 - Start of prequalification phase
 - Planned contract date 16.05.19



- 4 Contracts
- E6 Kvål—Melhus S
 - 7 km
 - Contract value approx. 0,6 bill NOK
 - Integrated Project Delivery contract IPD
 - Prequalification phase
 - Planned contract date 03.01.19



- 4 Contracts
- E6 Kvål—Melhus S
 - 7 km
 - Contract value approx. 0,6 bill NOK
 - Integrated Project Delivery contract IPD
 - Prequalification phase
 - Planned contract date 03.01.19
- E6 Ulsberg—Vindåsliene
 - 25 km
 - Contract value approx. 2,6 bill NOK

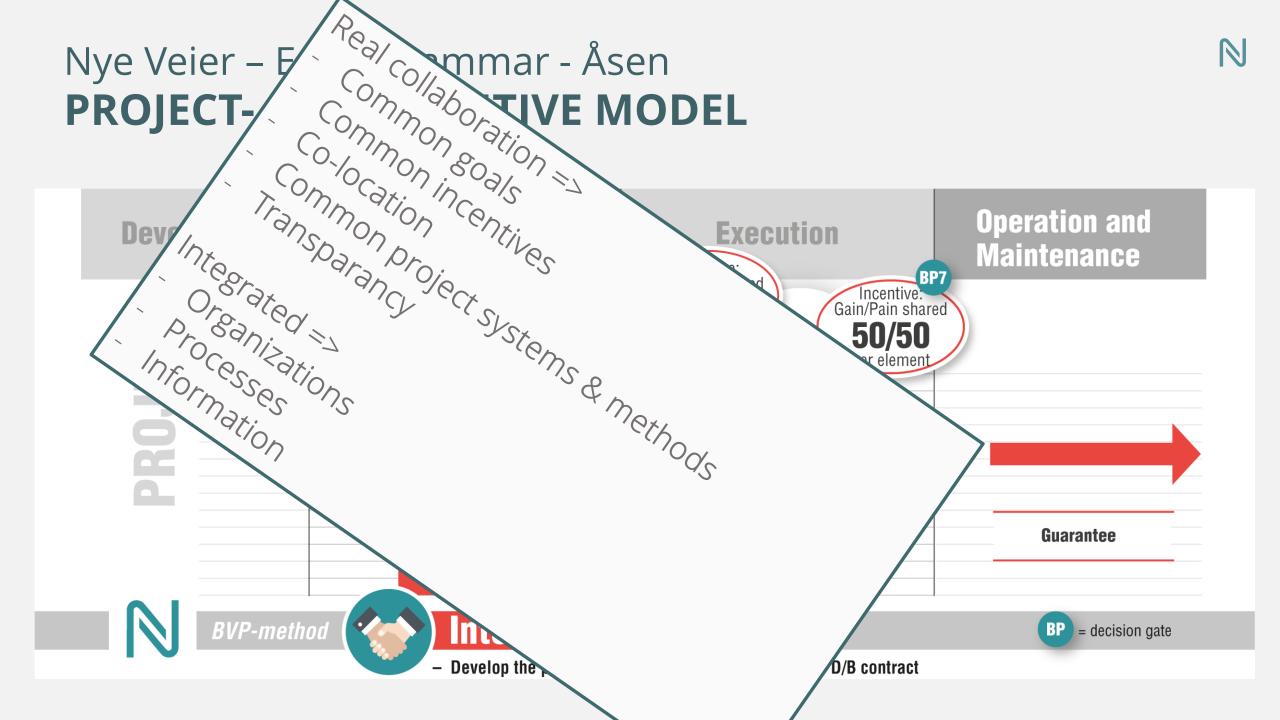


- 4 Contracts
- E6 Kvål—Melhus S
 - 7 km
 - Contract value approx. 0,6 bill NOK
 - Integrated Project Delivery contract IPD
 - Prequalification phase
 - Planned contract date 03.01.19
- E6 Ulsberg—Vindåsliene
 - 25 km
 - Contract value approx. 2,6 bill NOK
- E6 Korporalsbrua—Gyllan
 - 15 km
 - Contract value approx. 2,1 bill NOK

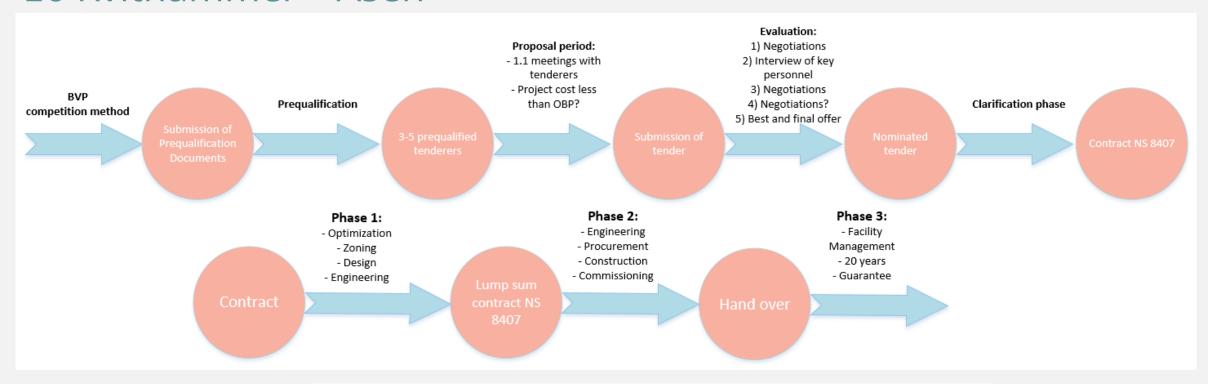


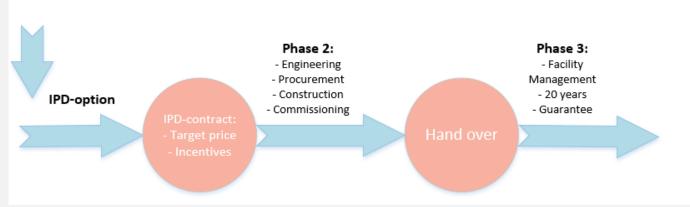
- 4 Contracts
- E6 Kvål—Melhus S
 - 7 km
 - Contract value approx. 0,6 bill NOK
 - Integrated Project Delivery contract IPD
 - Prequalification phase
 - Planned contract date 03.01.19
- E6 Ulsberg—Vindåsliene
 - 25 km
 - Contract value approx. 2,6 bill NOK
- E6 Korporalsbrua—Gyllan
 - 15 km
 - Contract value approx. 2,1 bill NOK
- E6 Gyllan—Kvål
 - 17 km
 - Contract value approx. 3,3 bill NOK





Project- and Execution Model – Integrated Collaboration E6 Kvithammer—Åsen





Project Performance Goals – Execution



- Deliver on the goal of zero accidents and injuries during construction and operation phases, as well as ensuring a health promoting and fair working environment
- Minimize the construction and life time cost by the means of joint interaction and digitalization
- Minimize the inconvenience of all road users involved during construction and operation phases
- Minimize greenhouse gas emissions as well as other pollution to the environment
- Minimize temporary and permanent seizure of farmlands



N

Overall schedule, E6 Kvithammar—Åsen

| • | Preannouncement: | 12.06.18 |
|---|---------------------------------|----------|
| • | Deadline to join qualification: | 20.08.18 |
| • | Announcement of qualification: | 31.08.18 |

Deadline for qualification: 10.10.18

• Selection of 3-5 Tenderers: 02.11.18

Information meeting, start tender phase: 19.11.18

Deadline to deliver Tender: 08.02.19

Announcement of selected Tenderer: 26.03.19

• Signing of contract: 16.05.19

Integrated collaboration and zoning plans: Q2-2019 to Q2-2020

Mobilisation and physical start: Medio-2020

Project completion: 2025/26

Prosperous Trøndelag

- Cooperation
- Entrepreneurship
- Innovation
- Social and political stability
- Low crime
- Great nature

Trondheim – leading city of:

- Tecnology and research
- Education
- Sports
- History
- Religion



NyeVeier



Operating contract for roads including electrical and automation systems

Tor Alf Høye, Field Manager Operation and Maintenance

Benefits of building roads

Traffic safety is the most important:

safe roads with lower accident costs

The benefit for road users:

- shorter travel times
- lower travel costs

User-oriented road operation:

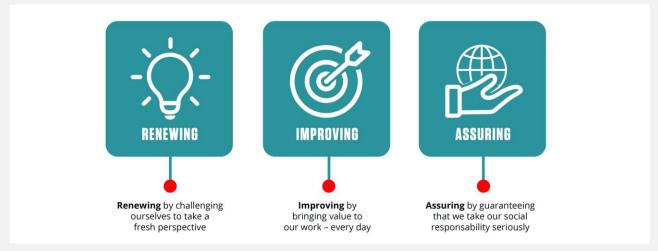
- traffic safety, availability and conditions
- universal standard
- implementation of useful and necessary technology



Road operation and safeguarding the benefits for road users

Nye Veier will

- update and improve the way we operate roads
- serve as a professional and innovative partner
- use the expertise in the market to develop effective road operation
- assure road users that we provide a safe and accessible road network with good regularity and a high availability



Opening of four-lane motorway*







Objectives – operating contract

- efficient operation
- developing road operation in Norway

Nye Veier will prioritise:

- major national contractors
- effective and innovative development of operating processes, tools and methods
- contractors at the forefront of road operation development in Norway
- contractors with a high level of technical expertise
- targeted maintenance



Scope of operating contract

The operating contract covers stretches to be completed by 2022.

7 stretches:

| • | E6 Kvål – Melhus S | 6.9 km | |
|---|-------------------------------|---------|-----|
| • | E6 Arnkvern – Moelv | 24.0 km | |
| • | E6 Kolomoen – Arnkvern | 19.0 km | |
| • | E18 Rugtvedt – Dørdal | 17.0 km | |
| • | E18 Tvedestrand – Arendal | 23.0 km | |
| • | E39 Kristiansand V – Mandal Ø | 19.0 km | |
| • | E39 Mandal Ø – Mandal town | | 7.0 |

Total 116 km.

km



Scope of operating contract

- road operation including electrical and automation systems(support NRPA to achieve highest possible availability)
- operation of the main roads E6, E18 and E39
- to a small extent access roads, footpaths and cycle paths, service facilities
- primary stretches to be put into operation by the end of 2022
- emergencies 24/7 365



Scope of operating contract

Overarching functional requirements & simplified description based on

- Manual R610 standard for operation and maintenance
- Manual R763 template for operating contracts roads and electro-technical installations
- the desire to increase the contractor's freedom to suggest good solutions
- simplifying the documentation to be supplied by the operating contractor
- sharing efficiency gains
- developing and improving Nye Veier's systems and procedures



Timetable

- Competition to be announced by December 2018
- Preferred contractor to be selected by April 2019
- Ready to start operation
 October 2019
- The contract will have a duration of
 5 years + option for extension.
- The short-term strategy will be revised and later form the basis for a long-term contract strategy for the operation of the entire portfolio



Agderposten

What does operation entail

Operation:

- Typical activities:
 - snow clearing
 - salting and sand application
 - washing and cleaning
 - erecting signs
 - landscaping of green areas
 - preventive measures
 - call-outs
 - and more
- Operation includes the operation of
 - electro-technical equipment

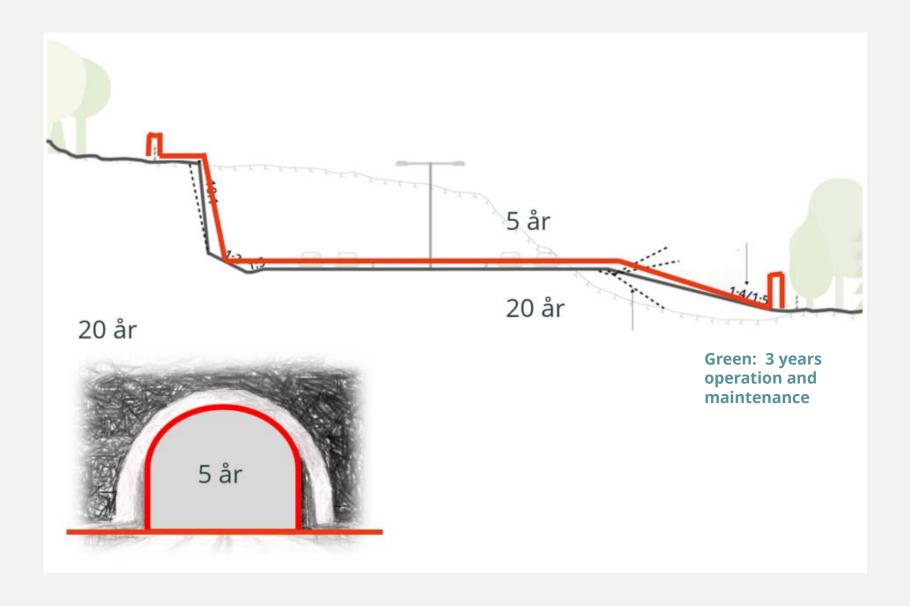
Maintenance and guarantee:

 This is part of the design and build contracts and not included in the operating contract.



Clåm**₫** dalen

Guarantee periods



Competition and pricing

- Several factors in addition to price will be considered, e.g.:
 - understanding of the task
 - quality in terms of expertise and capacity
 - call-out capability
- target price and shared risk
- bonus and discount arrangements
- innovation resources
- partership and cooperation
- the agreement will serve as a pilot for future operation contracts
- procurement with negotiation
- potential collaboration with other contractors



13.15 - 15.00 Arrangement for operation and maintenance

Agenda

- introduction and targets for development of operation in Nye Veier
- form of competition and contract
- structure and content of technical description
- price and incentive model
- conclusion and Questback survey

Bye for now!

Nye Veier arrangerer leverandørkonferanse på Radisson Blu Plaza Hotel i Oslo 12. september 2018.



Click here for english edition

Nye Veiers kommende prosjekter skal presenteres for entreprenerselskaper, større underleverandører og rådgivere. Det vill i tillegg bli muligheter for samtaler og møter med sentrale medarbeidere i prosjektene. Drift og vedlikehold vil også være et sentralt tema, og vill bli grundig presentert i en egen sesjon.

Arrangementet vil være beregnet for et internasjonalt leverandørmarked.

Tentativt program:

08.30 - 09.00 Registrering, kaffe og mingling

09.00 - 09.30 Velkommen til leveranderkonferanse. Adm. direkter Ingrid Dahl Hovland

09.30 - 10.00 Slik opplever vi Nye Veier som byggherre (eksternt foredrag)

10.00 - 12.00 Nye Veiers kommende prosjekter. Nye Veiers prosjektdirektører

12.00 - 12.30 Konkurranse for drift og vedlikehold

12.30 - 13.00 Slik gjer Nye Veier sine anskaffelser. Direkter for kontrakt og anskaffelser, Bjørn Børseth

3.00 - Muligheter for samtaler med prosjektene eget arr. for Drift og vedlikehold

13.15 - 15.00 Eget arrangement for drift og vedlikehold

Nye veier inviterer interesserte driftsaktører til dialog om en landsdekkende driftskontrakt for vei og elektra.

Vi vil presentere driftsstrategi og konkrete forslag til form, innhold og risikodeling i driftskontrakten.

Vi ønsker tilbakerneldinger i eller rett etter møtet.

Agenda: • Introduksjon og mål for utvikling av drift i Nye veier.

- · Konkurranse- og kontraktsform
- · Struktur og innhold i teknisk beskrivelse
- Pris- og insentivmodell
- Avslutning

NyeVeier



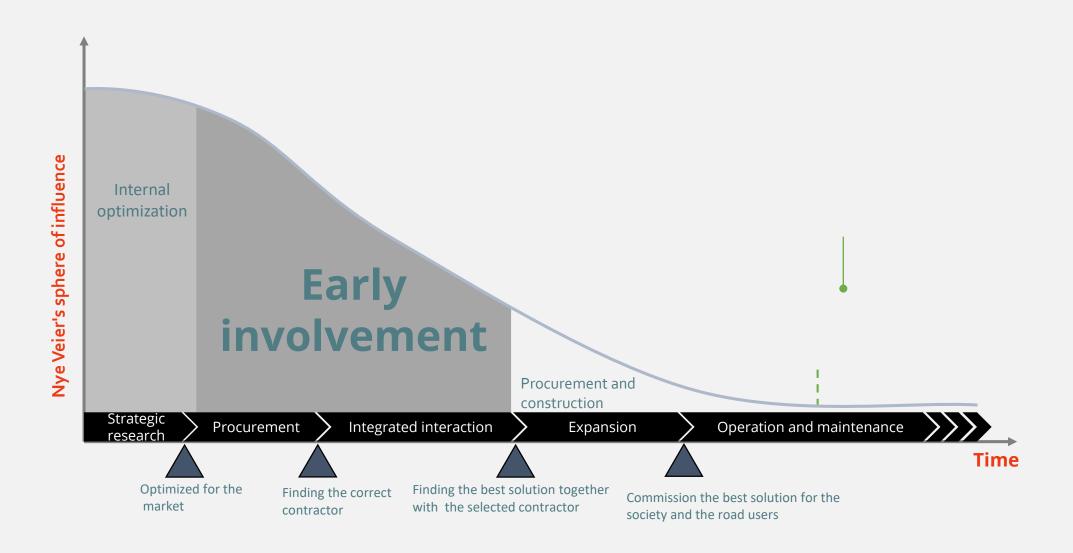
Procurement in Nye Veier

Bjørn Børseth – Director of contract og procurement

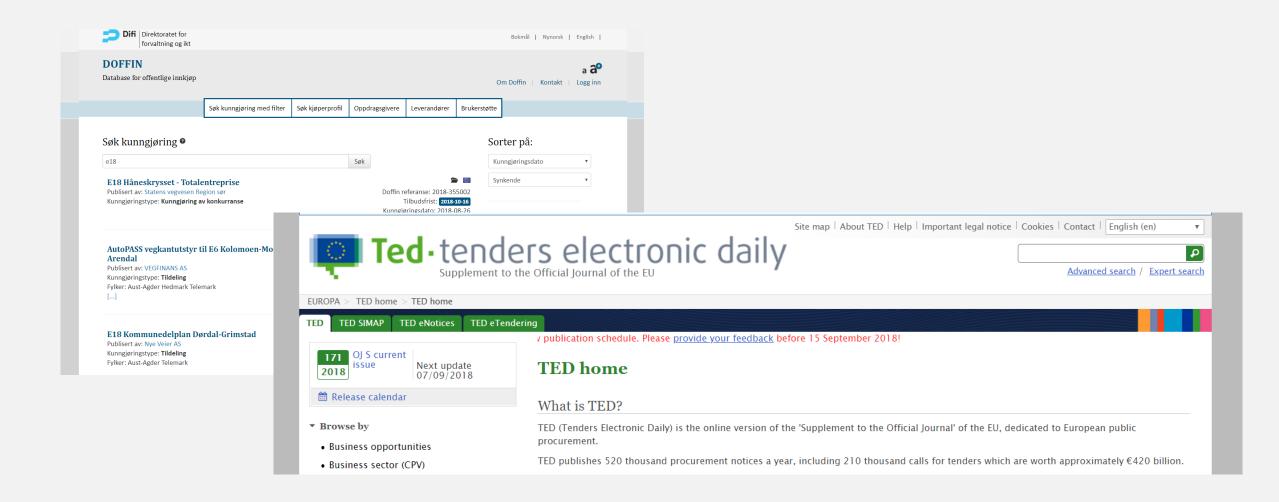
Nye Veier prefer professional suppliers

- Professonal suppliers to Nye Veier:
 - Able to qualify for the current job/delivery.
 - Able to compete on equal terms with its competitors.
 - Able to bring out its strengths in the tender.
 - Contributes to reduce Nye Veiers risks through preventive measures.
 - Ability to cooperate with Nye Veier to acheive the goals of the project.
 - Ability to carry out the deliveries with high quality, at the right time and at the agreed price.
 - Provides feedback on improvements.

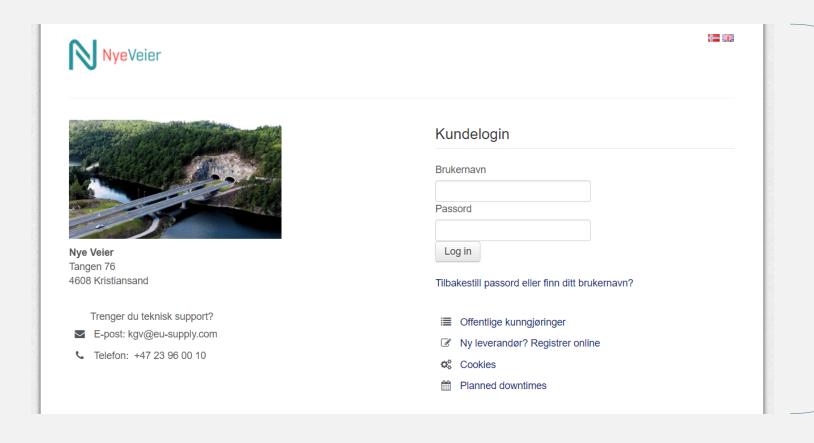
Nye Veier involves suppliers early



Competitions are announced on Doffin and TED simultaneously N



All competiotions are carried out in the KGV system

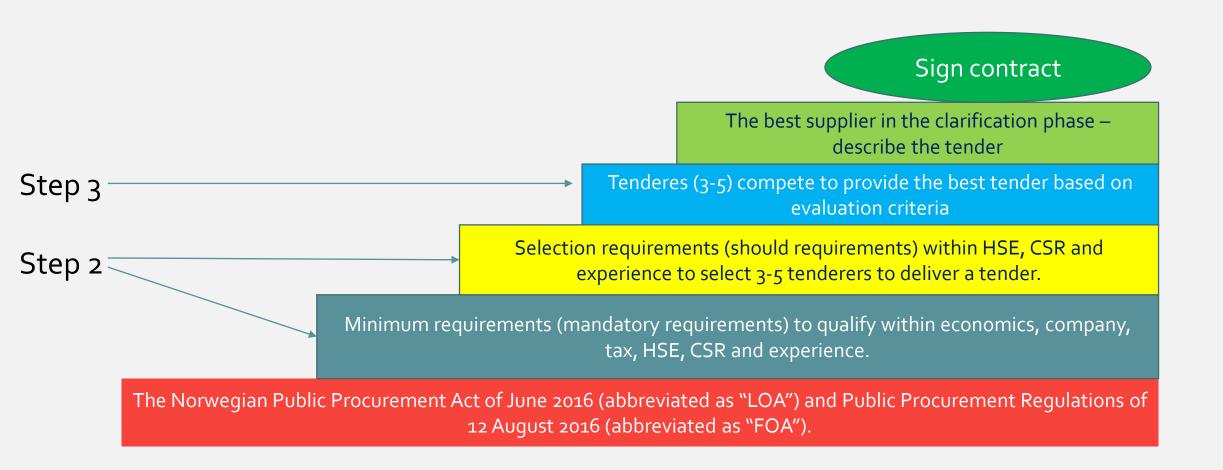


Electronic access to documents, requirements and evaluation methods.

Contracts are signed in the same system.

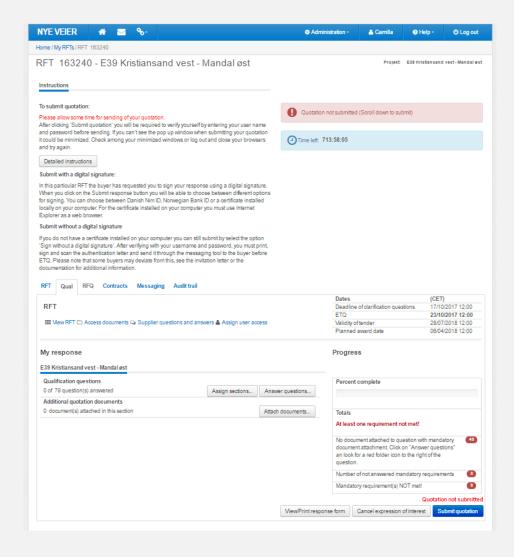
https://eu.eu-supply.com/login.asp?B=NYEVEIER

The connection between requirements and supplier selection

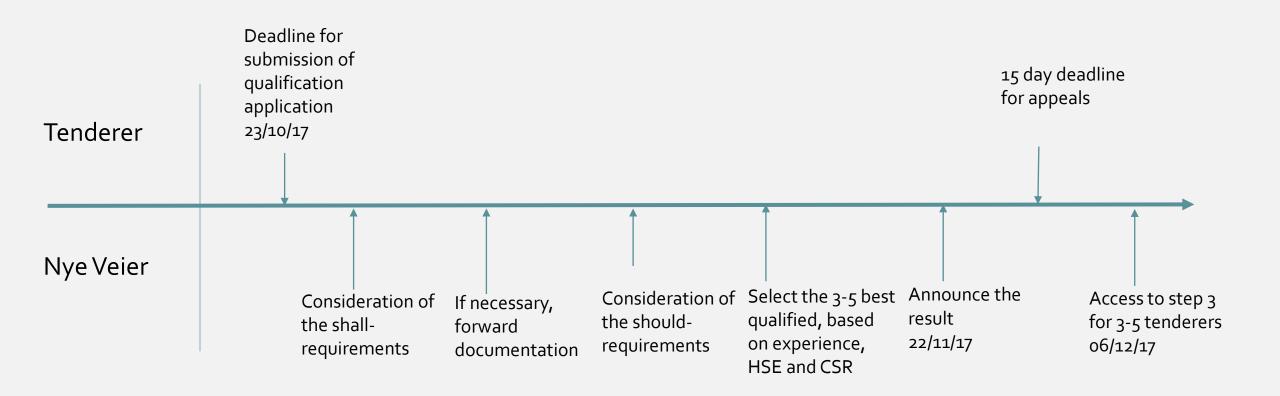


Step 2 - Application for qualification in CTM

- All requirements are found in CTM (EU Supply)
- Shall-requirements must be fulfilled in order to qualify
- Should-requirements are assigned points, and contributes to distinguish the 3-5 best to step 3 – tender process



Example of qualification schedule for step 3



Criteria for selection of tenderers to step 3 – tender process

• Evaluation of the should requirements will be based on the following weighting:

1. Relevance of reference projects - 60 % weighting

- a) Documentation in response to the should requirements in KGV regarding construction reference projects 80 % weighting (out of 60 %)
- b) Documentation in response to the should requirements in KGV regarding engineering reference projects 20 % weighting (out of 60 %)

2. HSEQ – 20% weighting

- a) Documentation in response to the should requirements in KGV regarding HSEQ reference projects (less question 2) 50 % weighting (out of 20%)
- b) Documentation in response to the should requirements in KGV related to HSEQ 30 % weighting (out of 20%)
- c) Documentation in response to the should requirements in KGV related to H2 og F values 20 % weighting (out of 20%)

3. CSR – 20% weighting

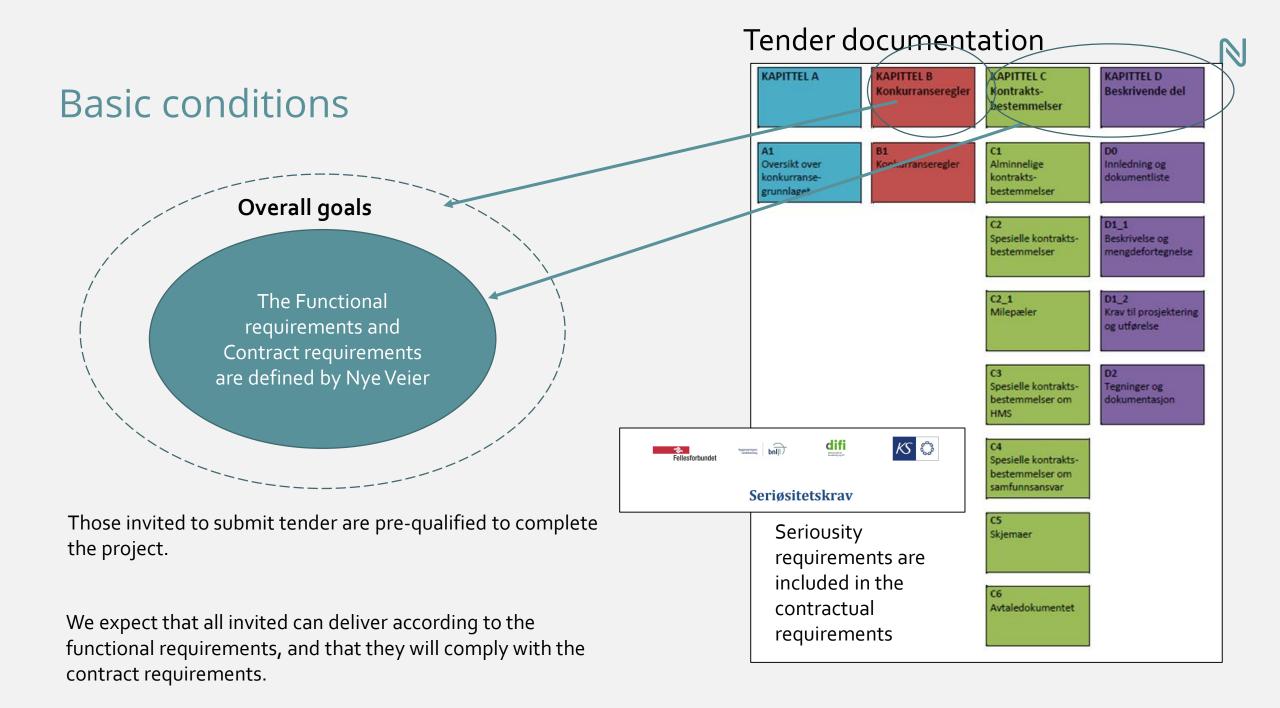
- a) Documentation in response to the should requirements in KGV regarding HSEQ/ CSR reference projects (question 2) 50 % weighting (out of 20%)
- b) Documentation in response to the should requirements in KGV regarding CSR 50% weighting (out of 20%)

Step 3 – Tender process

- 3-5 contractors selected as the best qualified under step 2– qualification – will be invited to submit a tender.
- CTM system are opened for these 3-5 Tender can be submitted







The project's overall goals are stated in chapter B1 – section 1

1 THE PROJECT'S OVERALL PERFORMANCE GOALS

The project has the following overall objectives:

- Minimize disadvantages for all road user groups in the construction and operating period
- Realising an innovative and future-oriented road project
- Realising the goal of an injury and accident-free construction period
- Minimising the pressures on the external environment in the construction and operating period and adding value for the future
- No unsettled disputes upon completion

It is very important to focus on the goals, and how you can contribute to achieve them

CONTENTS

| 1 | THE PROJECT'S OVERALL PERFORMANCE GOALS3 |
|----------|--|
| 2 | GENERAL COMPETITION RULES3 |
| 3 | RESERVATIONS REGARDING BUDGET ALLOCATION/FUNDING3 |
| 4 | LANGUAGE REQUIREMENTS AND COMMUNICATION3 |
| 5 | INFORMATION MEETING AND INDIVIDUAL MEETINGS4 |
| 6 | CONFIDENTIALITY AND PUBLIC ACCESS4 |
| 7 | REVIEW OF THE TENDER DOCUMENTS IN STEP 34 |
| 8 | EARLY PHASE DELIVERIES5 |
| 9 | SUBMISSION OF BIDS5 |
| 10 | DEVIATIONS AND RESERVATIONS5 |
| 11 D(| TENDER OUTLINE - EXPIRATION OF THE TENDER ACCEPTANCE PERIOD - DCUMENTATION OF THE AWARDING CRITERIA5 |
| 12 | 2 AWARDING CRITERIA7 |
| 14 | REJECTION OF TENDERS |
| 16 | 5 THE CLARIFICATION PHASE |
| 17 | COMPENSATION FOR PARTICIPATION IN THE TENDER14 |
| 18 | THE TENTATIVE SCHEDULE FOR CONDUCTING THE TENDER COMPETION. 14 |
| | |

The tender's content

Evaluation criteria:

- T Tender amount complete price form in EU Supply
- K1 Level of Expertise– maximum 2 pages (template)
- K2 Risk assessment maximum 2 pages (template)
- K3 Value Added– maximum 2 pages (template)
- K4 Interview of key personnel CVs everything has to be entered in the CV template

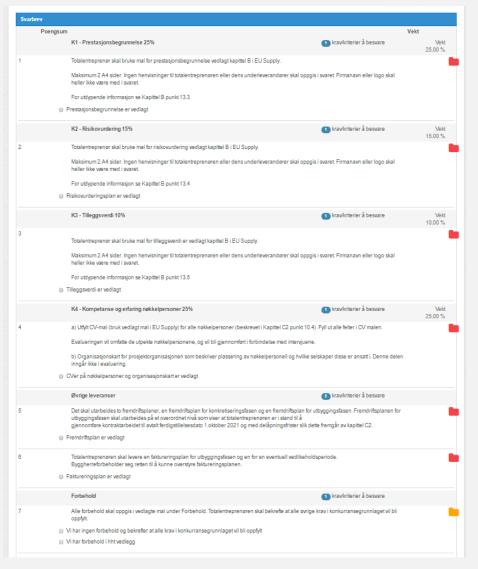
Other deliveries:

- 2 progress plans (clarification phase and execution phase)
- Billing plan

Deviations and reservations:

- Any deviations and/or reservations must be stated in a separate template – all fields must be completed
- Substantial deviations and reservations could lead to rejection.





The tenders 6 pages

| NyeVeier | IEMPLAIE FOR PEREORMANCE DOCUMENT. | |
|--------------------------------------|--|--|
| Claim 1 Substantiate the claim with | 2 pages of what to do for achieving goals | |
| measurable performance information | and why with dominant information. | |
| Substantiate the claim with | | |

| Added value 1* | |
|---|---------------------------|
| How will this value-adding measure contribute to achieving the project's overall performance goals and/ or the contract work? | 2 pages of added value |
| Substantiation | |
| Consequences for cost | |
| Consequences for time | |
| Added value 2 | |

- Specific and Measurable assertions
- o Ambitious
- o Realistic because they are attainable
- o Time bound to this project

| 10.000 | JEMPLATE FOR RISK ASSESMENT | |
|---|--|--|
| Risk 1 Why is this considered a risk? | _ | |
| Identify preventive measures (cost must be included in the BMP) Document the effect of the proposed risk-reduction | 2 pages of the most importentrisks for the client – and what will | |
| measures with persuasive dominant information | you do to reduce the risk | |
| corrective and mitigating measures Identify costs for corrective and mitigating measures | | |
| Risiko 2 | | |

Interview key personnel

- Up to 4 key personnel from each tenderer will be interviewed for about 1 hour (separate)
- An interviewer conduct the interviews
- The evaluation team evaluate the answers given during the interview (the interviewer don't participate in the evaluation team)
- The interviews are recorded and will be a part of the contract



| Score | Evaluation |
|-------|---|
| 100 | The expertise and experience of the key personnel contributes extremely well to the realisation of the project's overall performance goals and the contract work. |
| 80 | The expertise and experience of the key personnel contributes very well to the realisation of the project's overall performance goals and the contract work. |
| 60 | The expertise and experience of the key personnel contributes well to the realisation of the project's overall performance goals and the contract work. |
| 40 | The expertise and experience of the key personnel contributes little to the realisation of the project's overall performance goals and the contract work. |
| 20 | The expertise and experience of the key personnel contributes very little to the realisation of the project's overall performance goals and the contract work. |
| 0 | The expertise and experience of the key personnel does not contribute to the realisation of the project's overall performance goals and the contract work. |

Clarification phase

| Progress | What happens? | Responsible |
|--|--|-------------|
| Right after selection of the tenderer | The Client checks the selected tenderer's statements in the tender | Client |
| No later than 2 weeks after selection of the tenderer | Information meeting about what is going to happen in the clarification phase. In this meeting, the tenderer shall describe how it intends to perform the start-up meeting. The Client provides necessary input | Client |
| No later than 1 week after the information meeting | Start-up meeting | Tenderer |
| 4-6 weeks | The clarification phase | Tenderer |
| Allocation meeting | Clarify which documents are included in the contract and the structuring of these | Client |

2. Start-up meeting

3. Clarification phase

4. Allocation meeting



Completed when the contract is signed – provided that the parties are in agreement

The difference between BVP og other tenders



Good luck – we are looking forward to your participation in our future competitions

NyeVeier