

# RNB Application

## Vår Energi Implementation

April 2026

Pål Berntsen, Vår Energi ASA



# Compelling use case

- All operators are mandated to submit data related to the Revised National Budget (production volumes, economy and emissions data) to the Norwegian Offshore Directorate and Gassco
- Starting from RNB26 (i.e. October 2025) RNB data must be reported by operators to the Directorate via Collabor8.
- Instead of relying on a manual processes or third-party solutions, we decided to develop our own digital solution that streamlines reporting, enhances efficiency, and delivers additional business value
- It includes Power BI reports for data quality assurance and provides templates for collecting RNB data from partner-operated assets (J/V).



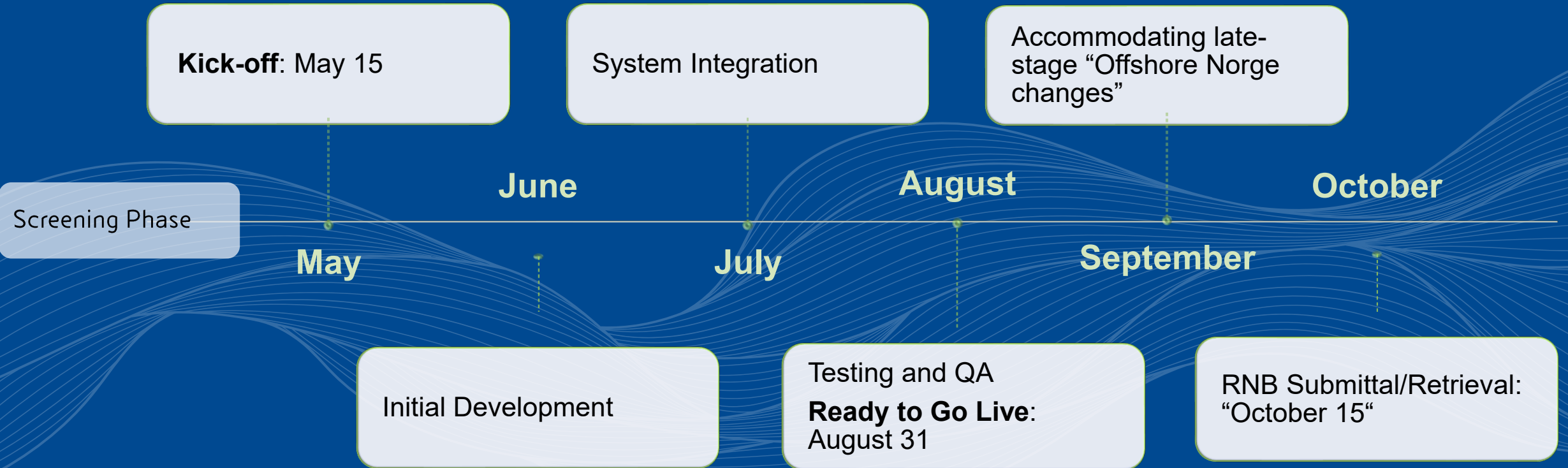
NORWEGIAN OFFSHORE  
DIRECTORATE



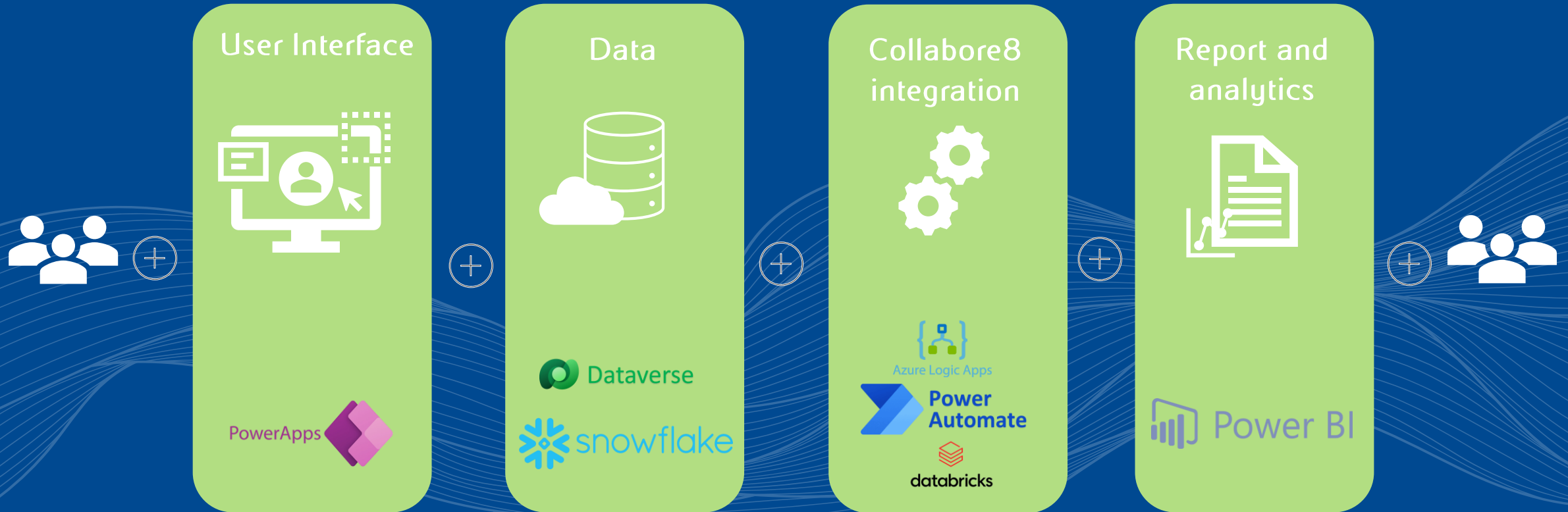
OFFSHORE NORGE



# Timeline



# Solution



Implementation partner **tieto**



# Data publishing & validation

**Data Publishing Console**

Publish Data: 35/6-3 (Olelia) Finance Publish Refresh

Reporting Object	Domain	Publish Date	Published By	Status
7122/8-3 (Zagato Ser)	Environment	27.11.2025 11:47	Martin Pospisil	Validation errors
7122/8-3 (Zagato Ser)	Finance	27.11.2025 11:47	Martin Pospisil	Validation errors
BALDER	Gas System	27.11.2025 11:39	Martin Pospisil	Success
BALDER	Production	27.11.2025 11:34	Martin Pospisil	Success
7122/8-3 (Zagato Ser)	Production	27.11.2025 11:30	Martin Pospisil	Validation errors
7122/8-3 (Zagato Ser)	Production	24.11.2025 15:49	Breno Eduardo Tavares Soares	Success
7122/8-3 (Zagato Ser)	Production	21.11.2025 12:19	Breno Eduardo Tavares Soares	Success
7122/8-3 (Zagato Ser)	Production	20.11.2025 15:00	Britt Lise Skotheim	Validation errors
7122/8-3 (Zagato Ser)	Production	19.11.2025 14:04	Britt Lise Skotheim	Success
3404-15-5 (Dugong)	Gas System	18.11.2025 11:12	Roland Harb	Success
BALDER	Gas System	14.11.2025 17:08	Martin Pospisil	Validation errors
BALDER	Production	14.11.2025 17:08	Martin Pospisil	Validation errors
BALDER	Finance	14.11.2025 17:08	Martin Pospisil	Validation errors

**Response Details**

Done (validation errors)

The server understands the request but cannot process it due to semantic errors. Please review your input. The data item OilHigh

Category	Detail
Business rule broken	The data item OilHigh (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name
Business rule broken	The data item OilLow (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name
Business rule broken	The data item OilBase (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name

**Data Publishing Console**

Publish Data: 6407/8-8-5 (Calyppo) Environment Publish Refresh

Reporting Object	Domain	Publish Date	Published By	Status
7122/7-8 (Goliat Nord)	Production	12.12.2025 14:45	Breno Eduardo Tavares Soares	Success
BALDER	Production	28.11.2025 09:27	Pål Berntsen	Validation errors
BALDER	Gas System	28.11.2025 09:26	Pål Berntsen	Error
BALDER	Gas System	27.11.2025 16:45	Martin Pospisil	Success
BALDER	Production	27.11.2025 16:44	Martin Pospisil	Success

**Response Details**

Done (validation errors)

The server understands the request but cannot process it due to semantic errors. Please review your input. The data item OilHigh (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name

Category	Detail
Business rule broken	The data item OilHigh (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name
Business rule broken	The data item OilLow (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name
Business rule broken	The data item OilBase (type: Project, name: Kobbe, id: f638e6ca-3c02-4fb6-8c18-f30559ae373b, reportingYear: 2026) does not match scope with the specified id and name



ONE-CLICK PUBLISHING TO COLLABOR8



CLEAR ERROR FEEDBACK FOR USERS



EARLY ERROR DETECTION REDUCES REWORK



TRANSPARENT PUBLISHING STATUS AND HISTORY LOG

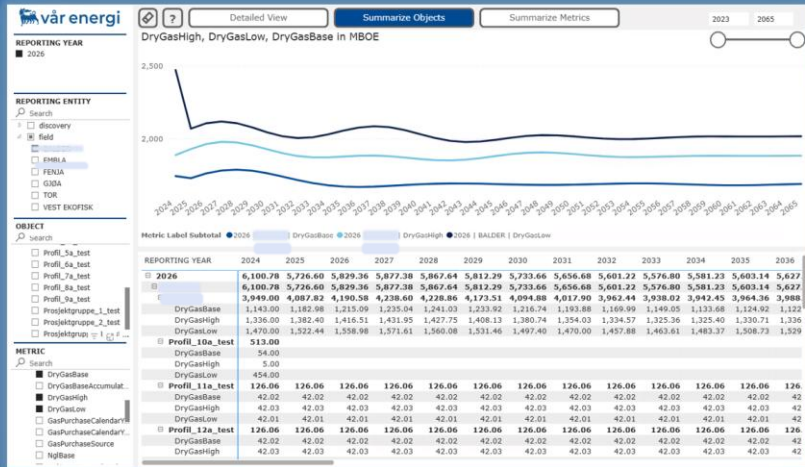


CONSISTENCY AND TRUST IN SUBMITTED RNB DATA



CONTROLLED SUBMISSION REDUCES MANUAL COORDINATION

# Reporting and Exports



GOVERNED SEMANTIC MODEL (SINGLE SOURCE OF TRUTH)



REUSABLE, SCALABLE REPORTING FOUNDATION



STANDARD REPORTS FOR OPERATED AND J/V ASSETS

The screenshot shows a reporting tool interface with a data table. The table has columns for 'REPORTING YEAR', 'REPORTING ENTITY NAME', and 'OBJECT'. It displays data for various entities and objects across different years.



SELF-SERVICE, NO-CODE AD-HOC ANALYSIS



IMPROVED DATA QUALITY THROUGH REPORTING VISIBILITY



"Temporary"

EXCEL EXPORTS ALIGNED TO OFFICIAL TEMPLATES

The screenshot shows an Excel spreadsheet with a data table. The table has columns for 'REPORTING YEAR', 'REPORTING ENTITY NAME', and 'OBJECT'. It displays data for various entities and objects across different years.

# Outcome - What we have achieved

- New UI made the RNB process more user friendly
  - Improved QA of RNB data by PowerBI reports during the input phase
  - Better collaboration between staff through cross team visibility of the data
- Data stored in database enables/encourage further digitalization of the workflow
- Low threshold for development of new reports (QA or extract of data)
  - Less time spent retrieving data, more time analysing RNB data
- Efficient access to the official J/V forecasts
  - Easy review of received RNB data by a set of PowerBI reports
  - Easy access to data for other functional needs and ad-hock analysis

# From mandated change to business capability

- What started as a “new requirement” became an opportunity to modernise the entire RNB workflow
- The solution replaces fragmented spreadsheets with a single, trusted data foundation
- The result is better control, better insight, and a scalable platform ready for future needs