

ILAP Newsletter May 2025

A lot has happened since the previous public newsletter and during 2024. We have recently celebrated one year in production, based upon the shared cloud solution of ILAP. Equinor is using it in 15 large EPCI projects and for 35 offshore installations with around 800 Operations, Modifications and Maintenance (OMM, in Norwegian: V&M) projects. Aker BP has recently migrated from the first-generation platform to the same cloud-based solution and uses it in over 100 OMM projects. In addition, they are adopting it within large capital projects.

“For project management, the use of ILAP and ADS has been a game changer.”

- Lars Gravdal, Project Control Manager in Equinor

“ILAP facilitates the use of planning data across various platforms. A prime example is the Supply Chain Radar, a comprehensive dashboard that integrates and displays a wealth of data. This transition can be likened to moving from using a map and compass to utilizing GPS.”

- Bård Atle Hovd, Chief Project Execution, Aker BP

By using ILAP, the transfer of planning/schedule data is automated. Without automation of data exchange through ILAP, the supported processes would have involved a great deal of *manual* and *time-consuming* processes. In Equinor, data is collected into ILAP Analytics (IA) and visualized in a custom-developed PowerBI solution (called automated data sharing; ADS). There, the plans are analyzed dynamically, and consumers may filter and group freely. Dynamic automated dashboards with standardized analytics for project follow-up are then available to both operator and their contractors.

“We get much more detailed and precise access to the contractor's plans and development, which allows us to easily analyze deviations. Previously, we had to create this ourselves in Excel without any standard, so it was different for each project”, says Lars Gravdal.

Based on rough estimates, the quantifiable benefit is an annual saving of approximately **15-20 MNOK** for the 15 EPCI projects. This is due to time savings in data migration and analytics processes.

There are also several non-quantifiable benefits that are worth mentioning:

- Facilitates better project management by detecting deviations early and allowing them to be corrected.
- Avoids human typing errors from PDF to Excel in the analytical process.
- Standardizing the analytical dashboards means that each individual project does not need to create their own analytical reports.
- Customized analytical tools provide easy direct access to important and relevant information for all project staff.

“ILAP/ADS is simple to use and provides broad status overview with great possibilities for analysis, helping us detect and avoid potential project delays.”

- Arild Gjerstad, Project Director in Equinor

Here are some highlights:

Usages

- *Equinor* expands their use to multiple business units and more projects.
- The ILAP solution forms the basis for *Integrated Planning Collaboration Platform* which is being developed as a part of the *Aker Digital Alliance* (ADA) initiative.
- *Vår Energi* has begun testing with positive results on several (EPC) contractors.
- *Aker Solutions* has finalized their pilot of ILAP Analytics (IA) with promising findings, so they intend to move it into production. This involves transitioning from different data warehouses using partly different understandings over to a common model based upon IA (creating a 360° view across portfolios).

Functionality

Support for self-service:

- Help Center established (for both product areas; IDE and IA).
- Complementary documentation produced.
- Distribution of Desktop components via Microsoft Store (to individual PCs) and/or Intune (enterprise deployments).
- Autonomous Component (AC) tested for use against IA.
- Improved Desktop Client undergoes testing.

Technical

- The underlying platform:
 - Implemented cloud solution (in May '24), including upgrade to .NET version 8 and a stream of updates since.
 - Deployments via automated Infrastructure-as-Code (IaC) scripts.
- Testing has confirmed good robustness and scalability. The platform can handle significant volumes (e.g. > 60 000 activities/plan). Besides, it handles several different combinations of planning systems/consumers of planning data.

Standardization

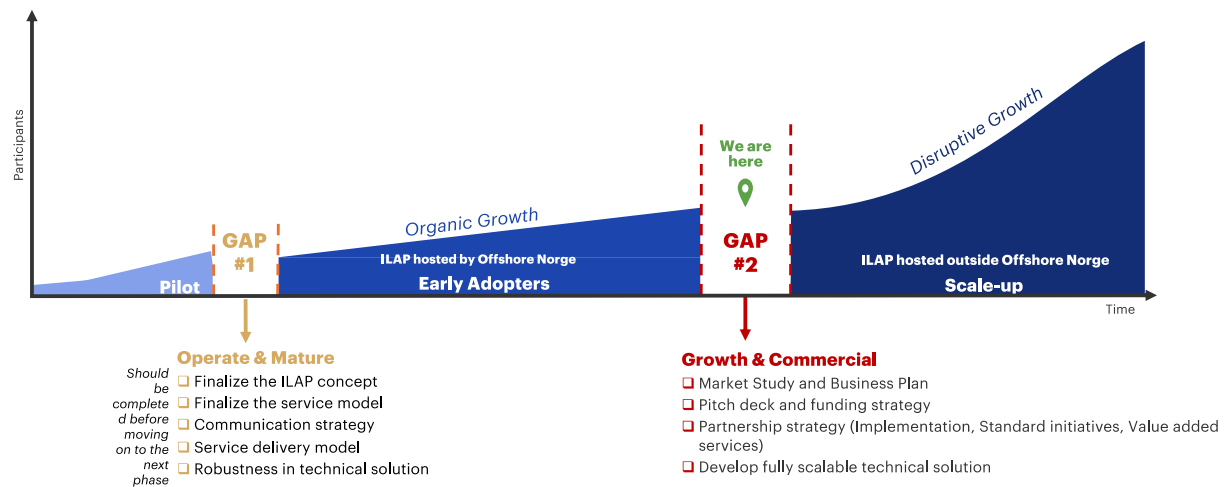
Improvements:

- Our proposal for a new standard (Schedule Data Ontology – SDO) is under evaluation by ISO. This involves several changes, the most important is perhaps the enablement of machine learning and AI.
- Group collaboration around modeling happens in Web Protégé.
- Content transformations across different data formats (e.g. from GraphQL JSON to Semantic Web/RDF).
- Version control of software components have been moved to Git-based repository, which makes it more manageable and «software friendly».

Growing recognition:

- Adoption into a new family of ontology-based interoperability (OBI) standards.
- Well-received by the ISO community. Several nations have indicated that they will participate to bring this submission from its current status to the highest level (to become a full international standard, identified as ISO 23726 Part 100).

Going forwards



Pilots:

Aker Solutions' mentioned pilot would have ended by now. The pre-phase is extended until NewCo is operational.

NewCo:

The Offshore Norge board has approved to proceed with establishment of a separate legal entity. This opens up for commercialization and going global (outside the current scope of Norwegian Continental Shelf (NCS)), including pay-as-you-go services. Work is ongoing to confirm new co-owners from the energy industry.

Expansion of the ecosystem:

Work is ongoing to expand for use by more companies. There is dialogue with several potential future customers on and off the NCS. Reasons for expansion beyond closely related business segments are being investigated.