



# Smart data and document delivery

Designed by the industry,  
for the industry





Digitalisation provides further opportunities to reduce exploration costs, mitigate risks and enhance work-process efficiency.

# Introduction

Digitalisation represents the new milestone which the Norwegian oil and gas industry is heading for. It provides a wide range of opportunities for reducing exploration costs, mitigating risks, and enhancing work-process efficiency and documentation management during all stages of energy production.

Changing the approach to information and data transfer will help to achieve the strategy of simplifying and streamlining the costly and time-consuming delivery of equipment information across the entire oil and gas industry on the Norwegian continental shelf (NCS).

EqHub is the door opener for improved competitiveness and value creation, and establishes a new level of cooperation across the NCS.



# Why make the change?

The key players on the NCS have stated publicly that document management needs to be supported by better processes, standards, and solutions.

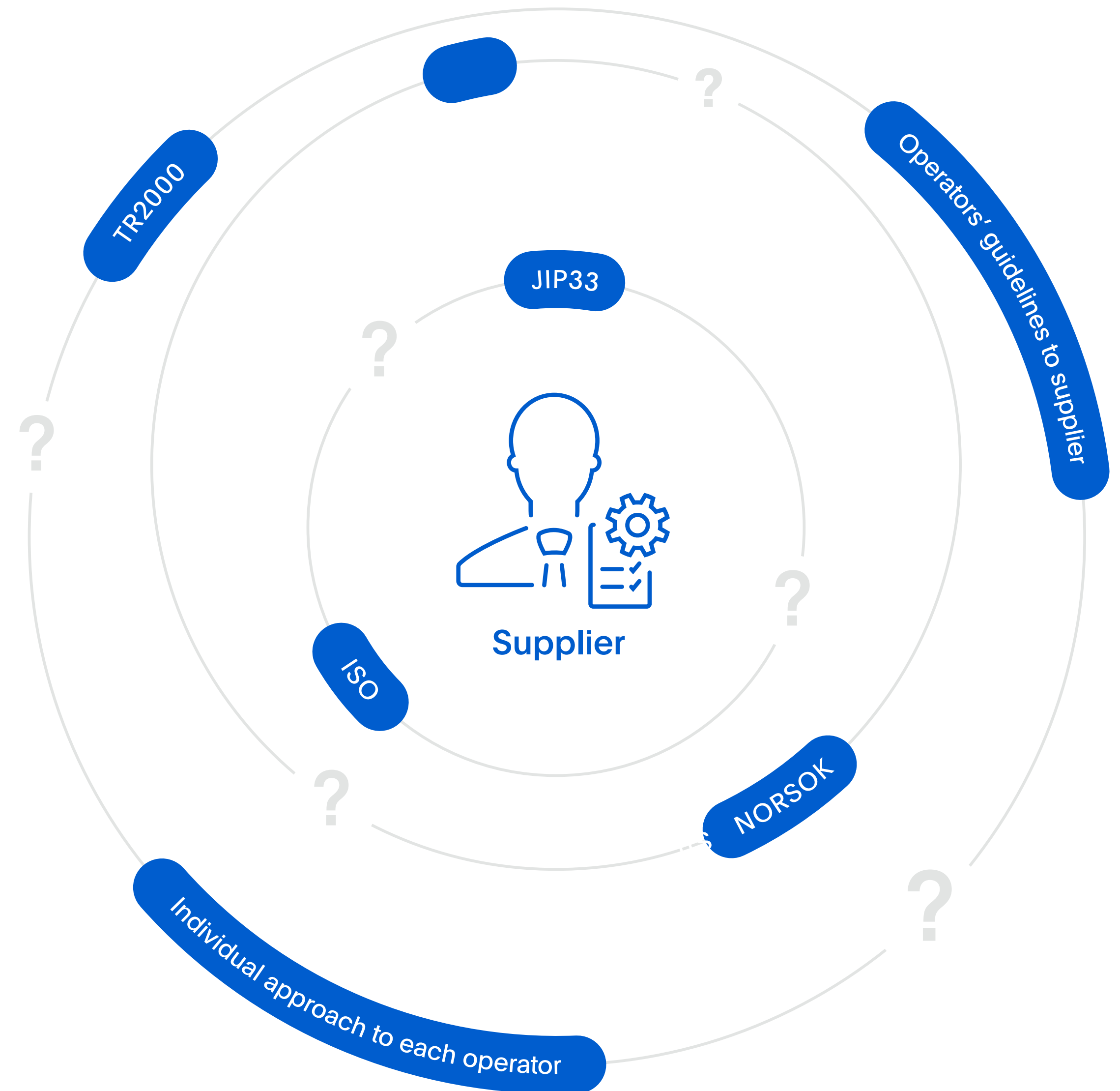
Costs in this area could be halved if the energy sector invests in innovative improvements.



# Why make the change?

When entering the market, suppliers need to address the following challenges:

- an ever-growing number of requirements and standards
- a strong regulatory environment
- switching between multiple tools when collaborating across the NCS.



# Data-driven supply chain challenges

Identifying the primary data-quality challenges facing the oil and gas industry today, and taking further action on them, correlates directly with the way EqHub can improve performance in the supply chain ecosystem.

## Data quality



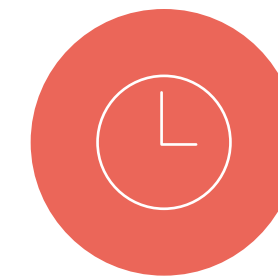
### **Lack of visibility affects agility and decision-making**

Incomplete, outdated and fragmented data across dozens or even hundreds of systems



### **Poor data quality costs millions**

Ineffective operations and logistics, missing procurement information.



### **Manual processes result in slow time to market**

Redundant workloads and significantly slowed time to market (the operator)



### **Failure to comply with regulatory demands**

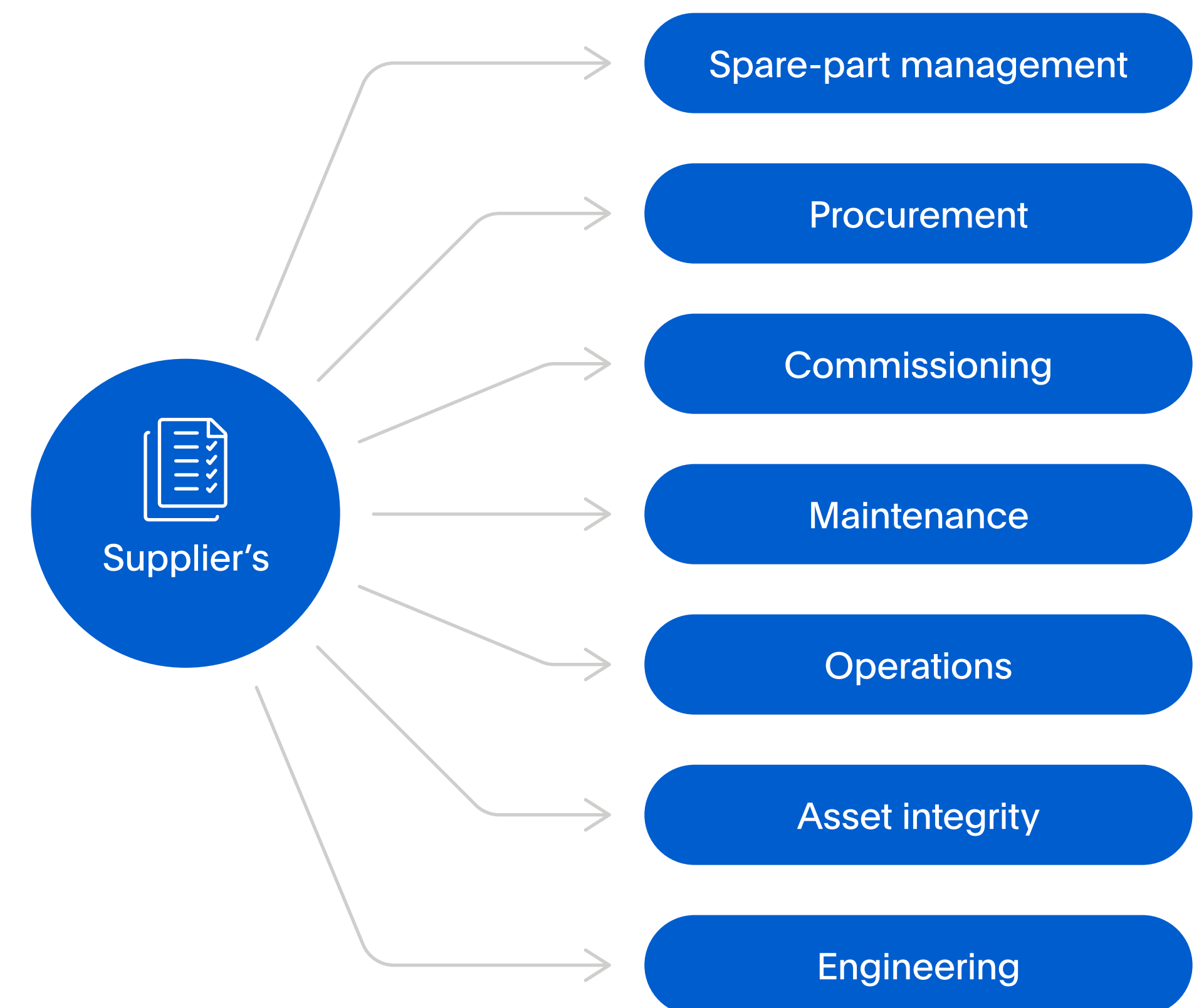
Non-compliance with the established regulations

# Supplier data

Supplier data are crucial for supporting multiple business functions at owner-operators, contractors and suppliers. However, each department specifies different requirements for document setups, which are challenging to follow and may result in the creation of multiple data silos.

## What if the data are incomplete?

The oil and gas industry is on its way to finding the right approach to documentation management. Where equipment suppliers are concerned, every mistake in document delivery and data processing may cost double that of deliveries to other industries.

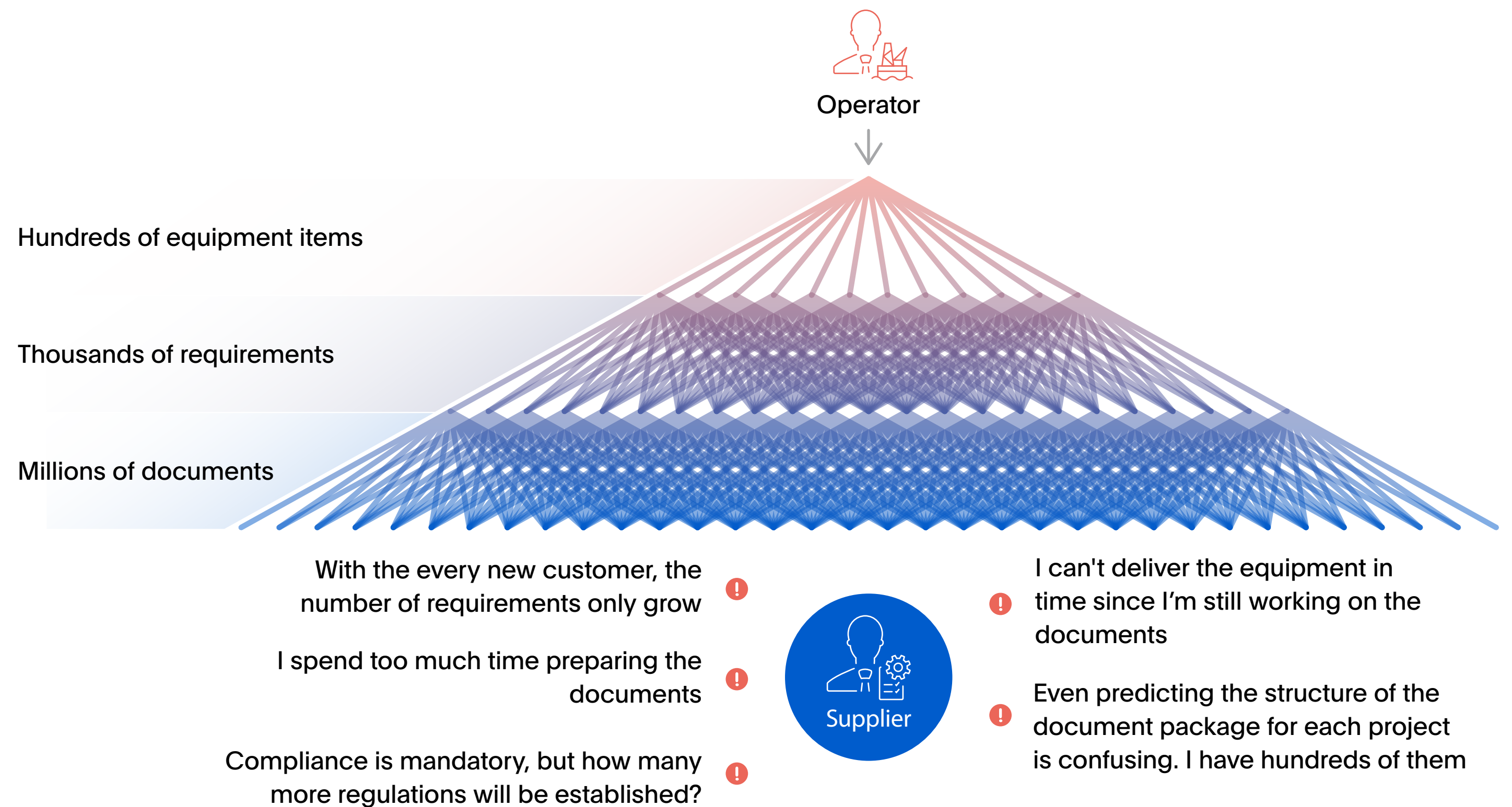




# Current supplier's lifecycle

Suppliers deliver the same equipment to different operators, which may be installed several times in each project. For each delivery, the supplier creates a standard document package in accordance with the specific requirements set by the operator.

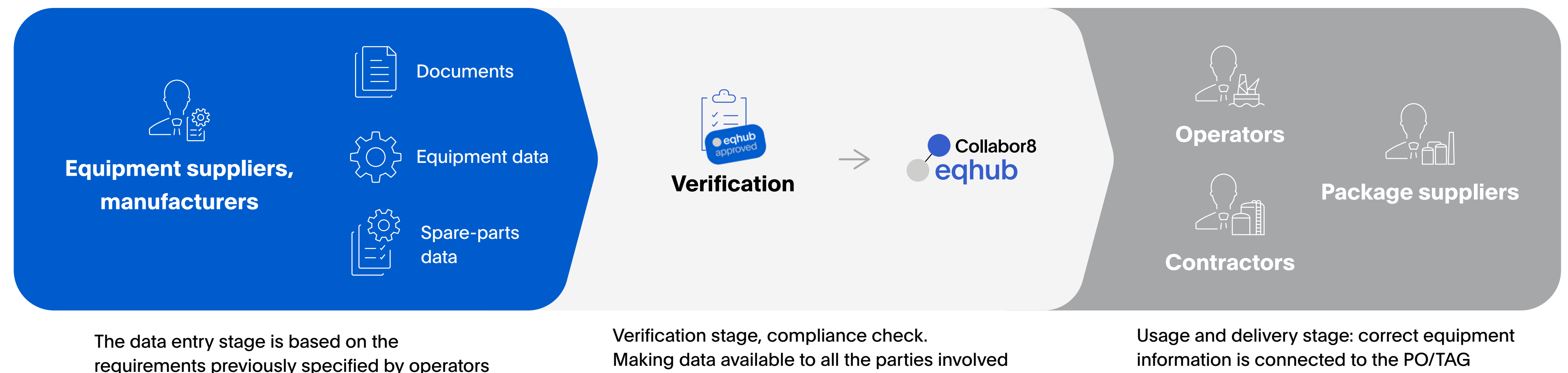
This document management approach only complicates selection and delivery processes, resulting in many rounds of document reviews before final approval of the information delivered.



# Sustainable future for document sharing

The basic principle of EqHub is to enter the equipment information in the system only ONCE, and then REUSE it as many times as needed. EqHub assigns a unique EqHub ID\* to each item entered into the system. Furthermore, this EqHub ID is linked to the correct TAG number, which identifies what equipment was delivered to the operator company and how it can be substituted.

EqHub serves as a single and controlled source of vendor documentation for all the parties involved.



\* EqHub ID previously known as a TEK number

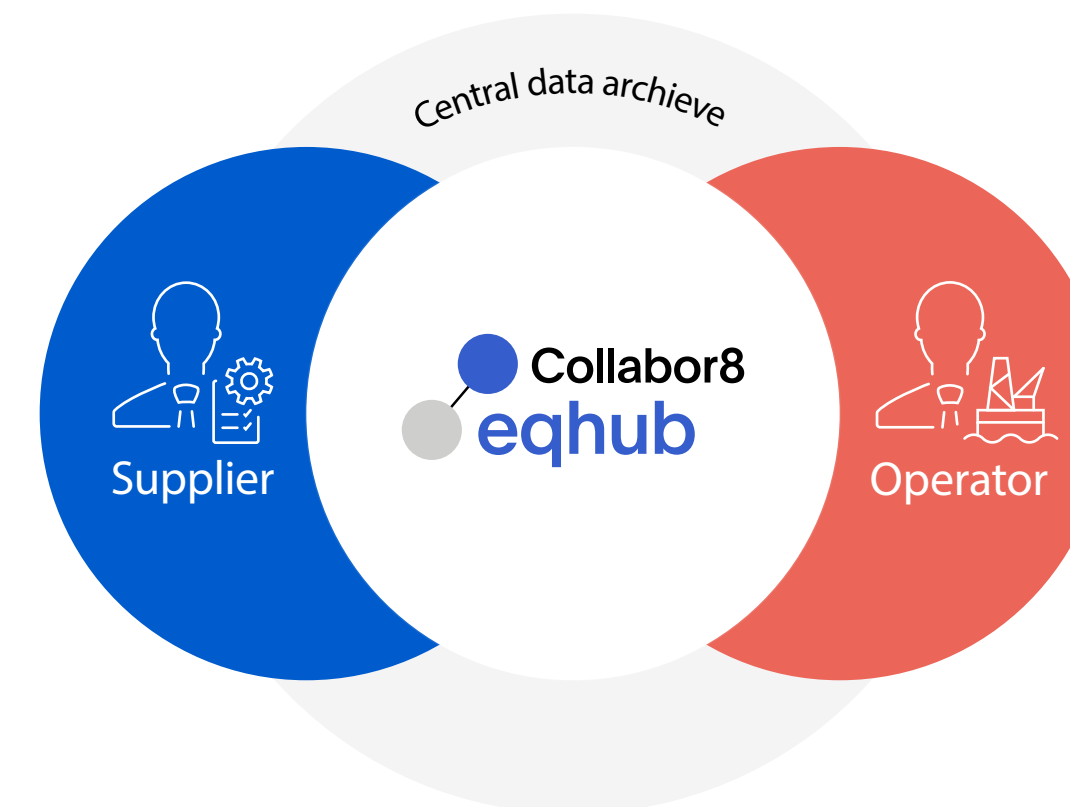


# Data exchange in EqHub

With EqHub, suppliers provide information **ONLY ONCE**. This significantly reduces their delivery work per project and gives them a competitive edge owing to lower documentation costs. Contractors will eliminate work on information expediting, compilation and timely delivery.

Communication and collaboration will be simplified since only one central data archive will be available and accessible at any time.

- ✓ Personal catalogue with stored documents and drawings. At any time, data can be extracted and changes traced with the EqHub ID
- ✓ Requirements are clearly specified for each equipment item
- ✓ Information is verified and data are complete
- ✓ Increased number of completed orders and shorter delivery time
- ✓ Compliance with the latest standards/regulations
- ✓ The operator can consider you a trusted supplier

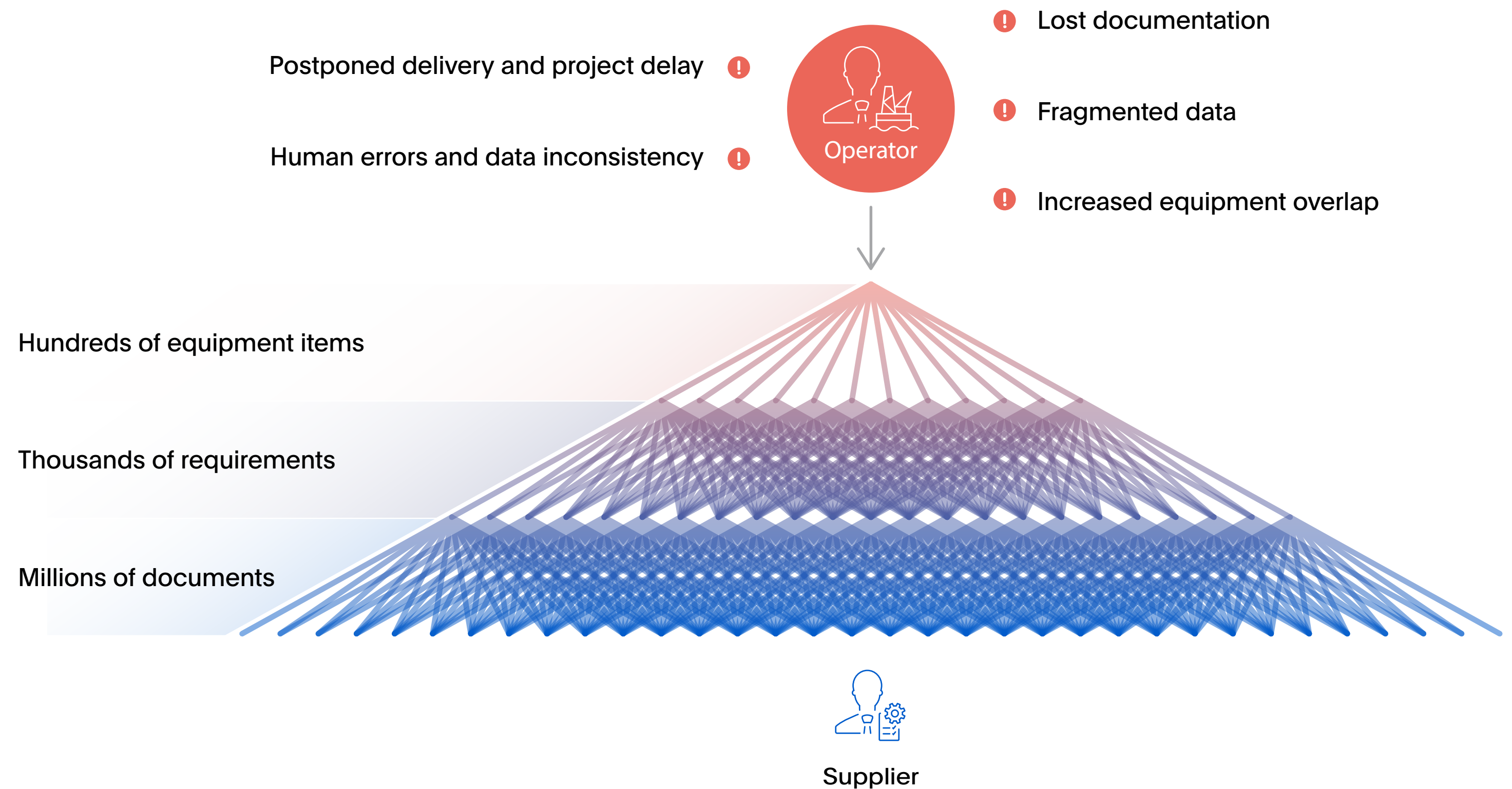


- ✓ Planning material requirements
- ✓ Purchasing
- ✓ Inventory control
- ✓ Quality control
- ✓ Material supply management

# Operator challenges

Collaboration between the players offers a great potential for improving information visibility. In addition to providing technology-based improvements, organisations must ensure that end-to-end inventory management is integrated through a consistent process framework.

Utilising and implementing EqHub as a single-source solution for data delivery will support the digitalisation of the oil and gas industry through data sharing and reusing documents and data in a collaborative environment.



# Define the stage

EqHub ensures the implementation of common requirements and standards related to equipment and data deliveries during the following project development stages.



Building a new platform from scratch requires data document gathering and alignment of the delivery process. The data are consolidated in EqHub and visible to every party involved. All processes correctly established during this stage will simplify the following stages significantly.

Material codification, warehousing and logistics processes are supported through data deliveries. An accurate inventory register means the number of items in stock is displayed.

The project data are complete and comprehensive, with an instant understanding of what is installed and what can be reused.

× Pre-award

× Exploration

✓ Development

✓ Operations

✓ Decomissioning

Companies entering documentation are responsible for the data quality and have the intellectual property rights to the information. The supplier is also responsible for keeping the information correct and current.

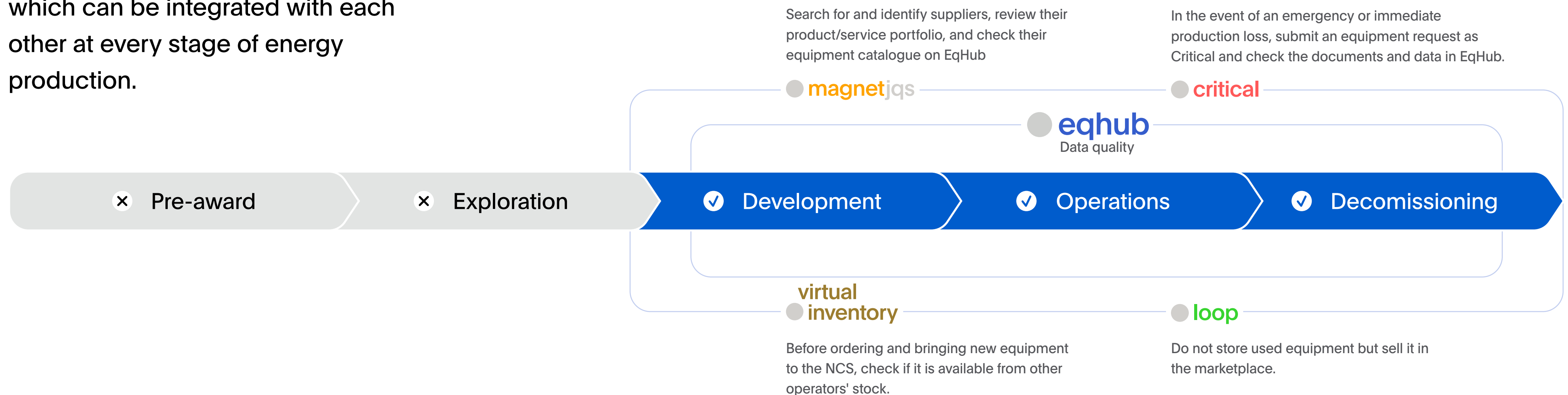
Simplified standard documentation deliveries have shown that, above all, maintainable tags can be documented through simplified processes using EqHub. Replacing or reordering processes are facilitated through the opportunity to access data quickly and trace the changes applicable to a particular EqHub ID.

EqHub permits combining or linking products, and establishing spare-part lists or separate units with several standard components. It also provides opportunities to document more extensive components, such as subsea units and other package items.



# Innovative Norwegian Oil and Gas material management approach

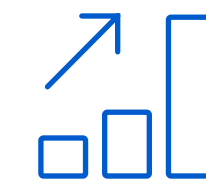
Zero-waste production and data utilisation. Norwegian Oil and Gas has established all-encompassing material management solutions which can be integrated with each other at every stage of energy production.





# Reaching milestones with EqHub

Digitalisation and formulation of the single documentation and data source will result in:



**improved**  
work  
efficiency



**optimised**  
inventories



**shortened**  
data delivery  
schedules



**reduced**  
documentation  
volumes



**achieved**  
regulatory  
compliance



**mitigated**  
risks



**saved**  
time and  
resources



**avoided**  
non-produced  
assets



 **EqHub:**  
**be data-smart**

Contact us

