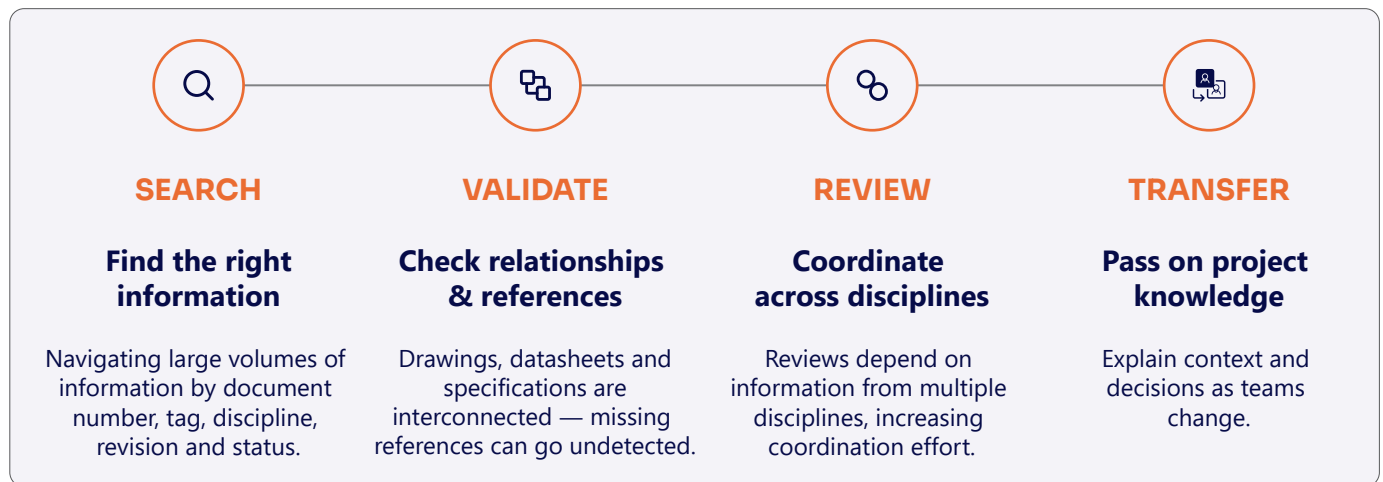

Build the Business Case for Assai Viewport

A practical framework for quantifying the value of
engineering information access and validation

Build the Business Case for Assai Viewport

This business case framework brings together recurring challenges and value drivers from Assai Viewport projects and customer business-case discussions to show how an engineering organisation can quantify the potential value of improving information access and validation.

WHERE ENGINEERING TIME GOES



EPC projects and asset operations generate and depend on thousands of interconnected drawings, specifications, datasheets and other technical documents across multiple disciplines and lifecycle stages.

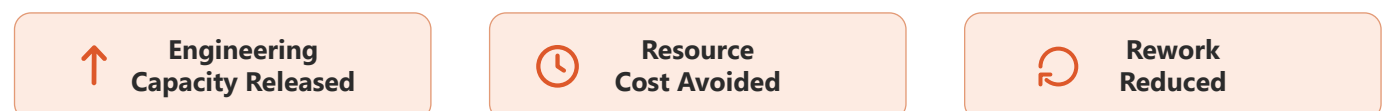
Managing those documents is only part of the challenge. Engineers also spend time finding information, checking relationships and references, coordinating reviews and transferring knowledge as people move between projects and teams.

When these activities depend heavily on manual work, valuable engineering capacity is consumed finding and validating information. Inconsistencies can also contribute to rework, slower reviews and project delays.

HOW ASSAI VIEWPORT CHANGES THE PROCESS

Assai Viewport adds a connected information layer on top of existing document repositories, connecting documents, tags and metadata to make their relationships easier to navigate and understand.

The economic value can come from three areas:



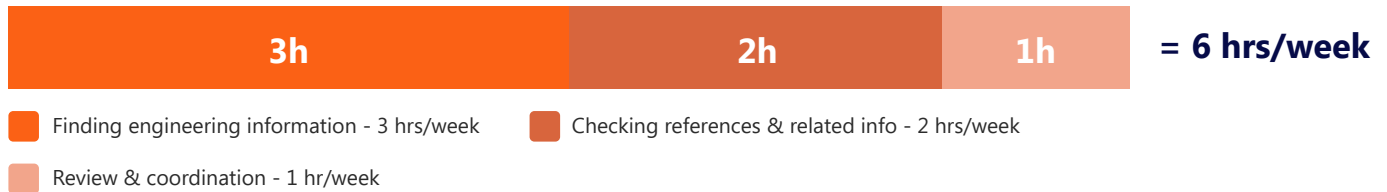
Workforce continuity can provide additional value where onboarding and knowledge transfer carry a material cost.

The first step is understanding how much of this engineering effort exists in your own organisation today.

Quantify the Current Engineering Effort

The following scenario translates time spent on Search, Validate and Review into an economic baseline. Replace the assumptions with your own engineering effort and resource costs. Assai Viewport outcome factors can then be applied to estimate the potential capacity released. Assess knowledge transfer separately where it represents a material cost.

REPRESENTATIVE ASSUMPTIONS — PER ENGINEER, PER WEEK



4,050 hrs/year → **€405,000/year**

For a team of 15 engineers,
working 45 weeks per year

Estimated gross value of engineering capacity at a
blended cost of €100/hour



Illustrative estimate, not a promised saving. €405,000 represents gross annual engineering capacity before any improvement is applied. The recoverable share must be validated against the organisation's processes, costs and expected adoption.

What engineering capacity could Assai Viewport potentially release, and what could that capacity be worth?

ESTABLISH THE ASSAI VIEWPORT OPPORTUNITY

The economic baseline establishes the scale of the current effort. The next step is to determine how much of this effort Assai Viewport could realistically address within the organisation's engineering or operational environment:

- Where is manual search consuming engineering time?
- Where are document and tag relationships being checked manually?
- Where do missing or inconsistent references create additional work or rework?
- Where does limited information visibility increase review and coordination effort?
- Where does onboarding or knowledge transfer depend on individual people rather than accessible information?

Current engineering effort × relevant Viewport outcome factors = potential engineering capacity released

The calculation applies outcome ranges observed in documented Assai Viewport customer implementations: 50–70% to information search and 20–40% to review and coordination. A fixed 30% modelling factor is applied to checking references and related information, informed by documented reductions in reference-related errors and rework.

From Engineering Improvement to Financial Value

Released engineering capacity is one part of the potential value. The financial impact depends on what that improvement changes within the engineering or operational environment.

01 ENGINEERING CAPACITY RELEASED

Engineering hours released × blended engineering cost

Capacity that can be redirected to higher-value engineering work. It should not automatically be treated as direct cost saving — the impact depends on how the released capacity is used.

02 ADDITIONAL STAFFING COSTS AVOIDED

External, overtime or additional hours no longer required × applicable resource cost

Where engineering capacity is constrained and additional resources would otherwise have been required, released capacity can translate more directly into cost avoidance.

03 INFORMATION-RELATED REWORK AVOIDED

Investigation, correction & coordination hours × cost involved

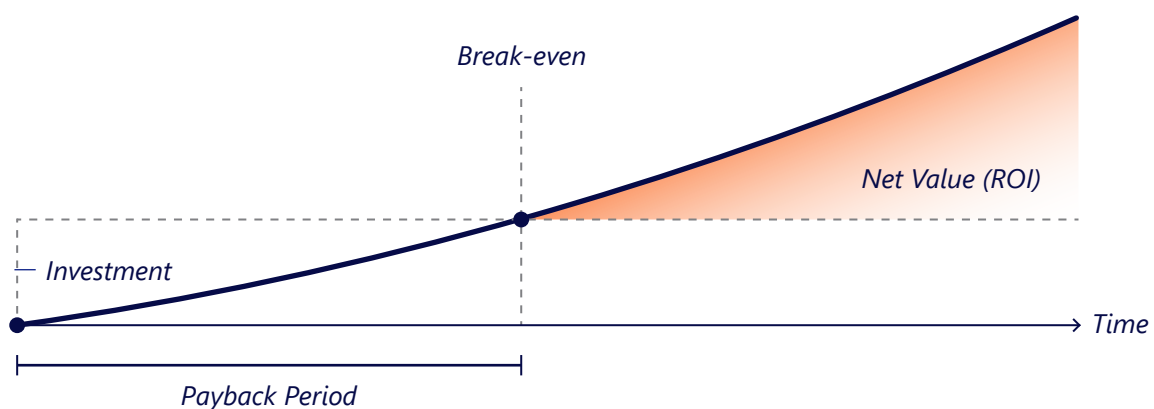
Missing, incorrect or inconsistent information can require additional investigation, correction and coordination. Quantify the related hours and costs, check that they have not already been counted as capacity released, and validate untracked costs with the relevant team.

**Non-overlapping engineering capacity value
+ resource costs avoided + rework avoided = potential annual value**

Where benefits overlap, use the best-supported single estimate and avoid double counting.

IS THE OPPORTUNITY LARGE ENOUGH TO JUSTIFY VIEWPORT?

Quantifying potential value is only one side of the business case. The investment decision depends on whether Assai Viewport can create enough value to justify the required investment.



BREAK-EVEN

How much annual value must Assai Viewport create to offset the investment?

ROI

How does the potential net value compare with the investment?

PAYBACK

How long would it take to recover the investment from the value created?

Build the Business Case with Your Numbers

- 1 ESTABLISH THE CURRENT STATE**
 Quantify time spent on Search, Validate and Review. Assess knowledge-transfer effort separately.
 
- 2 IDENTIFY THE ASSAI VIEWPORT OPPORTUNITY**
 Determine which manual activities Assai Viewport can address within your engineering information environment.
 
- 3 APPLY THE RELEVANT VIEWPORT OUTCOME FACTORS**
 Apply the relevant customer-outcome ranges to Search and Review, and the evidence-informed modelling factor to Validate.
 
- 4 QUANTIFY THE ECONOMIC IMPACT**
 Calculate the potential value of capacity released, additional resource costs avoided and rework avoided. Check for overlap and include other benefits, such as workforce continuity, only where they can be substantiated.
 
- 5 BUILD THE INVESTMENT CASE**
 Bring your organisation-specific assumptions together with the Assai Viewport investment to evaluate break-even, ROI, payback and multi-year value.
 



Existing DMS

IMPROVE ENGINEERING INFORMATION WITHOUT REPLACING YOUR DMS

Assai Viewport works as a layer on top of existing document repositories, improving how engineering information is searched, connected and validated without replacing the DMS or disrupting established document management processes. The investment focuses on improving engineering information work, not a wider DMS replacement programme.

Ready to Run the Numbers?

Assai can help you apply the framework to your engineering or operational environment and build an organisation-specific business case using your engineering effort, resource costs, estimated opportunity and the Assai Viewport investment.

[Build your Assai Viewport business case →](#)



Clarity in Complexity.