

EXECUTIVE DECISION BRIEF

License Investment Analysis

Capacity, cost and renewal intelligence



PREPARED FOR

**SampleCo
Engineering
(Fictional)**

ANALYSIS WINDOW

**September 2025 -
August 2026**

GENERATED

31 August 2026

1. Executive Summary

PORTFOLIO AT A GLANCE			12-MONTH WINDOW
Monitored capacity, measured peak pressure and configured spend presented on one decision-ready view.			
APPLICATIONS	OWNED SEATS	PEAK UTILIZATION	ANNUAL SPEND
4	114	64%	USD 257,600.00
USAGE EVIDENCE 4 of 4 applications have usable peak history		MEASURED CAPACITY 114 of 114 owned seats support the utilization view	
COST COVERAGE 4 of 4 applications carry configured cost		CAPACITY MARGIN 10% applied to release recommendations	
EXTERNAL SAVINGS VIEW USD 41,400.00		RENEWAL EXPOSURE USD 98,000.00 across 4 events in the next 12 months	
Recommended course			Contract check
If contract terms permit, move 3 seats within 1 multi-deployed application before returning or purchasing capacity. After measured cross-deployment needs are covered, the analysis identifies USD 41,400.00 in potential external annual run-rate savings. Capacity watch: CATIA is projected to reach licensed capacity around 2027-03 ; 2 applications are trending toward exhaustion.			
Evidence boundary			Data confidence
97% of usage hours in the window are attributed to an application; 100% of the estate's 114 finite seats carry configured cost. Nuke Studio capacity is measured, but its renewal cohort does not yet span the required 12-month history.			

2. Application Portfolio Overview

Ranked by recoverable spend. Monetary columns are annual amounts in USD, rounded to the nearest unit.

Name	Owned	Peak	Spare	Peak util	Run-rate	Recovery	Seat cost
Ansys Mechanical	26	11	15	42%	62,400	28,800	5,673
MATLAB	44	29	15	66%	79,200	12,600	2,731
CATIA	34	30	4	88%	102,000	—	3,400
Nuke Studio	10	3	7	30%	14,000	—	4,667
TOTAL	114	73	41	64%	257,600	41,400	3,529

3. Vendor Summary

License spend and renewal exposure grouped by vendor — the unit of contract negotiation. Each vendor lists the applications rolled into its row. Monetary columns are annual amounts in USD, rounded to the nearest unit.

Vendor	Apps	Owned	Peak	Run-rate	Recovery	Renewal
MathWorks MATLAB	1	44	29	79,200	12,600	28,800
Dassault Systemes CATIA	1	34	30	102,000	—	36,000
Ansys Ansys Mechanical	1	26	11	62,400	28,800	19,200
Foundry Nuke Studio	1	10	0	14,000	—	14,000
TOTAL	4	114	70	257,600	41,400	98,000

4. Renewal Exposure

License renewals due in the next 12 months, grouped by vendor and application so a renewal can be read as one negotiation rather than a row. The signal weighs current peak license utilization. For applications deployed on several servers, use measured surplus at another deployment before trimming or expanding the contract; any move remains subject to entitlement portability. Supporting evidence appears beneath each feature: seats on the renewal, peak and P95 utilization (P95 is the level held 95% of observed hours — sustained need, not a one-off spike), and distinct users. "Not enough history" means complete monitored capacity history was insufficient for a reliable utilization signal. Last Used can still show a recent checkout because it records activity, not monitoring completeness.

MathWorks

MATLAB

Feature	Expiry	Last Used	Annual Cost Run-Rate	Signal
matlab 16 seats · 66% peak · P95 24 · 9 users	2027-02-28	2026-08-31	USD 28,800.00	Renew

Ansys

Ansys Mechanical

Feature	Expiry	Last Used	Annual Cost Run-Rate	Signal
ansys_mechanical 8 seats · 42% peak · P95 9 · 8 users	2026-12-31	2026-08-30	USD 19,200.00	Surplus review

Foundry

Nuke Studio

Feature	Expiry	Last Used	Annual Cost Run-Rate	Signal
nuke_studio 10 seats · 3 users	2027-03-31	2026-08-22	USD 14,000.00	Not enough history

Dassault Systemes

CATIA

Feature	Expiry	Last Used	Annual Cost Run-Rate	Signal
catia_base 12 seats · 88% peak · P95 27 · 10 users	2027-05-31	2026-08-31	USD 36,000.00	Capacity review

4a. Adoption Signals

Rolling 90-day user adoption by application, grouped by vendor. Dormant users are review candidates only; a project may have ended before renewal.

MathWorks

Application	Seats	Active	Prior	New	Dormant	Signal
MATLAB	44	32	30	2	0	Stable

Dassault Systemes

Application	Seats	Active	Prior	New	Dormant	Signal
CATIA	34	32	30	2	0	Stable

Ansys

Application	Seats	Active	Prior	New	Dormant	Signal
Ansys Mechanical	26	13	12	1	0	Stable

Foundry

Application	Seats	Active	Prior	New	Dormant	Signal
Nuke Studio	10	4	3	1	0	Stable

5. Capacity Detail

MATLAB		12-MONTH WINDOW	
Peak-based capacity view after deployment rebalancing and a 10% safety margin.			
TOTAL SEATS	PEAK CONCURRENT	PEAK UTILIZATION	EXTERNAL RELEASE
44	29	66%	7 seats
ANNUAL SPEND RUN-RATE		EXTERNALLY RECOVERABLE RUN-RATE	
USD 79,200.00		USD 12,600.00	
EFFECTIVE SEAT COST		COST PER ACTIVE USER	
USD 2,731.03		USD 2,475.00	

Recommended course	Peak-based
If the vendor and contract permit entitlement portability, move 3 seats from 27000@lic-north-a to 4085@lic-design-b. After that, release 7 residual seats externally. Confirm vendor and contract portability before moving entitlement. With fixed deployments, instead review releasing 10 seats at donor pools and adding 3 seats at constrained pools as separate decisions. The application's 45 confirmed demand denial(s) are supporting context at application scope; remeasure them after the deployment move before buying additional seats.	

OPTIONAL RIGHT-SIZING SCENARIO		INDICATIVE SCENARIO	
Optional alternative to the peak-based recommendation, sized at P99 demand plus a 10% safety margin. Pooled-capacity scenario across 2 independent pools. Capacity is treated as shareable across deployments.			
P99 DEMAND	RECOMMENDED CAPACITY	POTENTIAL RELEASE	CONTENTION EXPOSURE
32 seats	36 seats	8 seats	~7 h/year
REFERENCE DEMAND		EVIDENCE BASE	
P95: 28 seats		8,734 observed hours	
RECOVERABLE RUN-RATE		FIXED-POOL COMPARISON	
USD 14,400.00		Fixed pools release 7 seats; 1 pooled-release seats depend on sharing (USD 1,800.00)	

Monthly Peak Usage Trend

Month	Peak Usage	Total Licenses	Peak Util %
2026-03	23	44	52%
2026-04	24	44	55%
2026-05	25	44	57%
2026-06	26	44	59%
2026-07	28	44	64%
2026-08	29	44	66%

Per-Site Breakdown

Site (Server)	Licenses	Peak	Peak Util %	Recommended Action
27000@lic-north-a	28	14	50%	Donate 3; release 7
4085@lic-design-b	16	15	94%	Receive 3

CATIA		12-MONTH WINDOW	
Peak-based capacity view after deployment rebalancing and a 10% safety margin.			
TOTAL SEATS	PEAK CONCURRENT	PEAK UTILIZATION	EXTERNAL RELEASE
34	30	88%	0 seats
ANNUAL SPEND RUN-RATE		EXTERNALLY RECOVERABLE RUN-RATE	
USD 102,000.00		—	
EFFECTIVE SEAT COST		COST PER ACTIVE USER	
USD 3,400.00		USD 3,187.50	
Recommended course			Peak-based
Hold current capacity; no seat change is indicated.			

Monthly Peak Usage Trend

Month	Peak Usage	Total Licenses	Peak Util %
2026-03	25	34	74%
2026-04	26	34	76%
2026-05	27	34	79%
2026-06	28	34	82%
2026-07	29	34	85%
2026-08	30	34	88%

Per-Site Breakdown

Site (Server)	Licenses	Peak	Peak Util %	Recommended Action
27000@lic-north-a	22	19	86%	Evidence review
4085@lic-design-b	12	11	92%	Evidence review

ANSYS MECHANICAL		12-MONTH WINDOW	
Peak-based capacity view after deployment rebalancing and a 10% safety margin.			
TOTAL SEATS	PEAK CONCURRENT	PEAK UTILIZATION	EXTERNAL RELEASE
26	11	42%	12 seats
ANNUAL SPEND RUN-RATE		EXTERNALLY RECOVERABLE RUN-RATE	
USD 62,400.00		USD 28,800.00	
EFFECTIVE SEAT COST		COST PER ACTIVE USER	
USD 5,672.73		USD 4,800.00	

Recommended course	Peak-based
Release 12 residual seats externally.	

OPTIONAL RIGHT-SIZING SCENARIO		INDICATIVE SCENARIO	
Optional alternative to the peak-based recommendation, sized at P99 demand plus a 10% safety margin. Pooled-capacity scenario across 2 independent pools. Capacity is treated as shareable across deployments.			
P99 DEMAND	RECOMMENDED CAPACITY	POTENTIAL RELEASE	CONTENTION EXPOSURE
11 seats	13 seats	13 seats	~0 h/year
REFERENCE DEMAND		EVIDENCE BASE	
P95: 10 seats		8,734 observed hours	
RECOVERABLE RUN-RATE		FIXED-POOL COMPARISON	
USD 31,200.00		Fixed pools release 12 seats; 1 pooled-release seats depend on sharing (USD 2,400.00)	

Monthly Peak Usage Trend

Month	Peak Usage	Total Licenses	Peak Util %
2026-03	9	26	35%
2026-04	10	26	38%
2026-05	10	26	38%
2026-06	11	26	42%

Month	Peak Usage	Total Licenses	Peak Util %
2026-07	10	26	38%
2026-08	11	26	42%

Per-Site Breakdown

Site (Server)	Licenses	Peak	Peak Util %	Recommended Action
27000@lic-north-a	18	8	44%	Evidence review
1055@lic-sim-c	8	3	38%	Evidence review

NUKE STUDIO		12-MONTH WINDOW	
Peak-based capacity view after deployment rebalancing and a 10% safety margin.			
TOTAL SEATS	PEAK CONCURRENT	PEAK UTILIZATION	EXTERNAL RELEASE
10	3	30%	0 seats
ANNUAL SPEND RUN-RATE		EXTERNALLY RECOVERABLE RUN-RATE	
USD 14,000.00		—	
EFFECTIVE SEAT COST		COST PER ACTIVE USER	
USD 4,666.67		USD 3,500.00	

Decision status	Evidence gap
Not enough monitored capacity history is available, so no harvesting recommendation is made.	

Monthly Peak Usage Trend

Month	Peak Usage	Total Licenses	Peak Util %
2026-03	0	10	0%
2026-04	0	10	0%
2026-05	0	10	0%
2026-06	2	10	20%
2026-07	2	10	20%
2026-08	3	10	30%

6. Underutilised Applications

These are residual reduction opportunities after any constrained deployment of the same application has been supplied from measured surplus. Validate entitlement portability, renewal boundaries, and planned demand before changing a contract.

Monetary columns are annual amounts in USD, rounded to the nearest unit.

Residual Reduction Candidates

Application	Owned	Peak	Peak util	Run-rate	External saving
Ansys Mechanical	26	11	42%	62,400	28,800

7. Unused Features

3 features had **zero usage** during the report period, representing **13** licensed seats. Each candidate has at least 99% complete hourly evidence; unknown hours were excluded rather than treated as zero. These may be candidates for licence reclamation or decommissioning after checking feature mappings, bundle dependencies, reserved access, and planned use.

Application	Server	Feature	Seats	Evidence
MATLAB	27000@lic-north-a	PDE Toolbox	6	99.7%
CATIA	4085@lic-design-b	CATIA Composer	4	99.6%
Ansys Mechanical	1055@lic-sim-c	CFD Post	3	99.5%

Other Features with Cost (Add-ons & Toolboxes)

3 non-keystone features carry their own annual cost. Combined potential annual recovery: **10,700 USD**. Per-seat lines recover unused seats above the safety margin; flat-cost lines (site / unlimited) recover the full cost only when the feature is completely unused over the report window. Treat these as contract-review estimates: confirm that the add-on is independently priced and removable, and that no bundle or planned-use dependency requires it.

Application	Feature	Owned	Peak	Safe spare	Annual cost	Recoverable
MATLAB	pde_toolbox Per seat	6	0	6	600	3,600
CATIA	catia_composer Per seat	4	0	4	900	3,600
Ansys Mechanical	ansys_cfd_post Per seat	11	3	7	500	3,500

8. Capacity Pressure & Residual Investment Needs

Decision order

Capacity methodology

Use transferable surplus first. Treat only an unmatched deficit supported by confirmed demand as a residual investment need. Denials remain application-wide context and are not attributed to an individual server in this section.

MATLAB

REBALANCE FIRST

CAPACITY POSITION	OWNED SEATS	PEAK DEMAND	PEAK UTILIZATION	CAPACITY ACTION
Measured internal surplus can cover the constrained deployment.	44	29	66%	Move 3

Recommended course

Rebalance first

If the vendor and contract permit entitlement portability, move **3** seats from **27000@lic-north-a** to **4085@lic-design-b**. After that, release **7** residual seats externally. Confirm vendor and contract portability before moving entitlement. With fixed deployments, instead review releasing **10** seats at donor pools and adding **3** seats at constrained pools as separate decisions.

Demand evidence: **51** denial events affecting **9** users in the period
Excluded from seat-demand analysis: **4** denials with a recognized non-capacity reason.

Potential-demand context: **47** denials when unclassified evidence is included. The **2** unclassified events do not enter confirmed cost or procurement figures. The measured deployment transfer covers the current capacity gap, so no net purchase is recommended yet. Remeasure the 45 confirmed denials after rebalancing.

CATIA

PRESSURE WATCH

CAPACITY POSITION	OWNED SEATS	PEAK DEMAND	PEAK UTILIZATION	CAPACITY ACTION
High utilization warrants monitoring; no residual gap is modeled.	34	30	88%	Hold

Recommended course

Pressure watch

Demand evidence: **11** denial events affecting **5** users in the period
Excluded from seat-demand analysis: **3** denials with a recognized non-capacity reason.

8 confirmed denials affecting 4 users warrant cause analysis, but the measured capacity plan does not support a purchase yet.

9. Capacity Exhaustion Forecast

Applications already at capacity, or whose keystone-feature monthly peak is trending toward it.

How to read this forecast

Column guide

Peak is the keystone feature's current observed peak and **Seats** its nominal licensed capacity. **Runs Out** is the month the trend reaches those seats, and **Trend / mo** the slope it was projected from. **Conf.** is the quality of that trend fit.

What this forecast does not tell you

Validate before acting

The projection extrapolates the recent monthly peak series in a straight line. It is not a forecasting model: it ignores seasonality and assumes the current slope holds, so treat the month it gives as an early warning to validate, never a guaranteed date.

"At capacity now" compares observed peak against *nominal* capacity. A feature with declared overdraft can legitimately run above it, so check the overdraft posture before treating the signal as urgent. "Low" confidence also flags a series whose capacity changed during the window.

Application	Keystone Feature	Peak	Seats	Trend / mo	Runs Out	Conf.
CATIA	catia_base	30	34	+0.6 seats	2027-03 (~7 mo)	High
MATLAB	matlab	29	44	+1.0 seats	2027-11 (~15 mo)	Medium

10. Summary & Recommendations

PRIORITIZED ACTION BRIEF			PEAK-BASED COURSE
Execute in order: validate portability, rebalance internally, then consider external release or residual investment.			
INTERNAL MOVES	EXTERNAL RELEASE	RESIDUAL GAPS	NET ANNUAL POSITION
3 seats	19 seats	0 seats	USD 41,400.00
PORTABILITY GATE		DEMAND SUPPORT	
1 application requires vendor and contract validation		0 of 0 residual gaps have confirmed demand denials	
FINANCIAL SCOPE			
Peak-based releases minus demand-supported investment			
MATLAB			1 Rebalance first
If the vendor and contract permit entitlement portability, move 3 seats from 27000@lic-north-a to 4085@lic-design-b. After that, release 7 residual seats externally. Confirm vendor and contract portability before moving entitlement. With fixed deployments, instead review releasing 10 seats at donor pools and adding 3 seats at constrained pools as separate decisions.			
Ansys Mechanical			2 External release
After internal needs are covered, release 12 residual seats externally, representing USD 28,800.00/year run-rate.			
MATLAB			2 External release
After internal needs are covered, release 7 residual seats externally, representing USD 12,600.00/year run-rate.			
Optional P99 scenario			Scenario - not in net
Sizing each known deployment independently indicates 19 further seats across 2 applications, worth USD 41,400.00/year run-rate. This is not included in the peak-based course or net position; see each detail page for contention hours, rare-use cases, and assumptions.			
Residual investment			3 No action

No residual seat purchases remain after deployment rebalancing.

Qualified net position

4 Financial view

External recoverable annual run-rate: **USD 41,400.00**

Demand-supported residual investment run-rate: —

Qualified net annual position: **USD 41,400.00**. This assumes modeled transfers are contractually permitted. Internal transfers carry no assumed saving or purchase cost; optional P99 scenarios are excluded.