

April 30, 2025: The Board of Directors and Chief Executive Officer of Modelon AB (publ.), listed on Nasdaq First North Growth Market, present the following report for the period January - March 2025.

Quarter, January - March

- ARR amounted to MSEK 59.9 (53.1), an annual growth of 13%.
- Net revenue amounted to MSEK 20.4 (18.3), of which software revenue was MSEK 15.1 (13.5).
- Cash flow from operations amounted to MSEK +3.0 (-4.1).
- Adjusted EBIT¹ amounted to MSEK -8.3 (-14.4).
- Operating expenses were MSEK 29.6 (33.9), including non-recurring items of MSEK 0.0 (0.0) and development costs of MSEK 10.6 (14.8).
- Net profit amounted to MSEK -9.0 (-14.2).
- Earnings per share amounted to SEK -0.52 (-1.29) before dilution.

Summary Financials

MSEK	Quarter, Jan - Mar			Jan - Dec
	2025	2024	Change	2024
Annual recurring revenue, ARR	59.9	53.1	13%	60.3
Net revenues	20.4	18.3	12%	83.6
Software revenues	15.1	13.5	12%	58.1
- whereof recurring revenue	15.0	13.1	14%	55.8
Service revenues	5.3	4.8	10%	25.5
Other operating income	0.9	1.2		2.5
EBIT	-8.3	-14.4	-	-61.2
EBIT margin	-40.5%	-78.7%		-73.2%
Adjusted EBIT ¹	-8.3	-14.4	-	-49.4
Adj. EBIT margin	-40.5%	-78.7%		-59.1%
Net result after tax	-9.0	-14.2	-	-59.4
Earnings per share (SEK) before dilution	-0.52	-1.29		-3.45
Cash balance	64.1	55.0	16%	62.6

¹ Adjusted EBIT excl. non-recurring items related to denied employer tax deductions and restructuring in 2024.

Significant events during Q1 2025

- On Feb 20, Modelon announced updated financial targets.

Significant events after the period

- Annual General Meeting to be held on May 6.

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Investor presentation

Modelon will hold a presentation of the Q1 interim report at 10:00 a.m. CET on April 30, 2025. CEO Jan Häglund and CFO Jonas Eborn will present the Q1 earnings in a webcast.

[Link to webcast](#)

Comments from the CEO

Business update

Revenues in the first quarter of 2025 amounted to 20.4 MSEK, 12 percent higher than in the same period last year. Annual Recurring Revenues (ARR) were 60 MSEK, an increase from last year of 13 percent. Modelon Impact ARR grew 38 percent over the same quarter last year, while our multi-platform business declined. In the current uncertain macroeconomic environment, we have some customers that have delayed investment decisions, which has had a negative impact on our order intake and annual recurring revenue growth. We expect this trend to continue at least during the second quarter.

Operating profit in the quarter was -8.3 MSEK, which is significantly better than the previous year (-14.4 MSEK). The improvement is the result of increased software revenues combined with a lower cost base. As expected, we see positive effects of the efficiency program that was announced and executed in October 2024.

Cash flow from operations improved to 3.0 MSEK (-4.1 MSEK), driven by lower costs and new contracts signed at the end of 2024. The first quarter normally has a stronger operating cash flow than subsequent quarters, due to the timing of pre-paid software licenses. That Q1 2025 was the first quarter with positive operating cash flow since 2021 is an indication that we are on the right track towards consistent positive cash flow.

Customers

During the quarter, we added to the list of companies that have selected Modelon Impact, our platform for system simulations. I am pleased that a second large North American cloud service provider will use our software for data center climate control. This is a fast-growing market where advanced cooling solutions are needed to handle new computer server generations. We also won a deal with a global logistics company that will use Modelon Impact to optimize the energy consumption of its transport vehicle fleet. We closed a new contract in Oceania with a regional leader in food processing that will use Modelon Impact for improving energy efficiency. These three examples are in different industries but share a common ambition to accelerate innovation using Modelon's simulation platform.

Products

New customers often start with a few pilot users to create simulation models and build experience. In the next step, they look for wider deployment of simulation technology and results. During the quarter, we released a new feature in Modelon Impact called Analysis View. This enables customers to extract value from their simulations faster and more easily by viewing and comparing results in a user-friendly interface. For Modelon, the new feature means opportunities to grow the business with existing and new customers.

Artificial Intelligence (AI) creates new opportunities for Modelon and we are adding AI-enhanced customer features to our product. The German research program PHyMoS (Proper Hybrid Models for Smarter Vehicles), where Modelon participates, uses Modelon Impact for training and generating Neural networks as so-called reduced order models (ROM). These are faster but less accurate than physics-based models and can be used to quickly cover a wide range of simulation parameters. We have released NN-support in our software and are working with customers to explore neural networks as an enhancement to traditional simulations.

Modelon's simulation libraries have been built over many years by domain experts, e.g., in thermo-fluid, energy, electric, and battery systems. During the recent quarter, we added new models and features, including solid oxide fuel cells as well as ice and frost capabilities for heat pumps. Our libraries contain simulation models that can be modified and adapted to the specific needs of customers, thanks to the Modelica standard. The breadth and openness of our library suite is a differentiator and very difficult for competitors to replicate.

More information about recent product releases can be found on our home page, [News & Blog | Modelon](#)

Summary and outlook

The first quarter of 2025 showed growth in software revenues, a reduced operating loss, and the first positive operating cash flow since 2021. We won deals with companies that decided to use Modelon Impact for developing new solutions, faster and better than what they did with traditional prototyping.

However, we also saw customers that delayed investment decisions in simulation technology. Short term, we expect this to have a negative effect on our ARR growth and we are ready to implement further efficiency measures to minimize the effect on profitability and cash flow.

Longer term, we are confident that our broad customer base, global market presence, and high relevance for multiple industry segments create a solid foundation for growth. Our ambition is to grow recurring revenues and operating profits based on leadership in physics-based system simulations, and we are convinced that our products support customers' competitiveness and flexibility, also in a changing macro-economic environment.

Jan Häglund, CEO

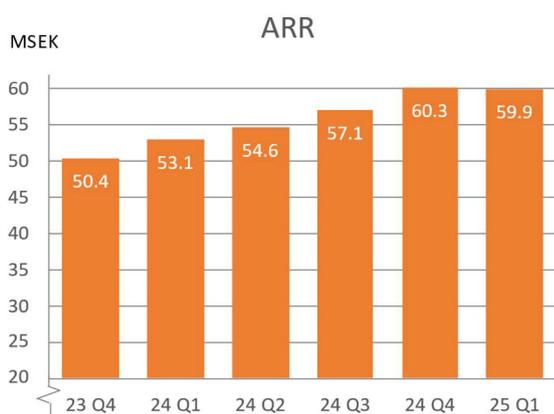


Financial development

Revenues

Annual recurring revenue

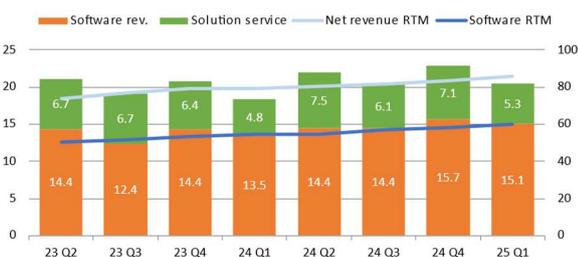
Total annual recurring software revenue in constant currency (ARR) amounted to MSEK 59.9 (53.1), an increase of 13 percent compared to Q1 2024, and a decrease of 1 percent compared to Q4 2024. We saw continued growth in Modelon Impact recurring revenues (ARR +38%), while the legacy multi-platform business decreased (ARR -5%). Total ARR before adjusting for currency effects amounted to MSEK 59.9 (52.6). The differences in exchange rates at the end of Q1 correspond to an FX adjustment of MSEK -0.6 for the comparison period.



Software ARR growth is reported at constant currency, see quarterly figures and KPI definition on page 9. Total ARR numbers include revenue from Modelon Impact and from multi-platform libraries and software.

Quarter, January – March 2025

Net revenues amounted to MSEK 20.4 (18.3), an increase of 12%. Software revenues amounted to MSEK 15.1 (13.5), an increase of 12%. Total service revenues amounted to MSEK 5.3 (4.8), an increase of 10%.



Revenue development shows consistent growth in software revenue. Variations in software revenue growth in the second and fourth quarters of 2023, as well as in the fourth quarter of 2024, reflect non-recurring software sales. Note that revenues are not FX adjusted.

Costs

Quarter, January – March 2025

Other external expenses amounted to MSEK 7.1 (11.2), where the lower cost mainly was related to less use of external consultants. Personnel costs amounted to MSEK 21.9 (20.9). Depreciation amounted to MSEK 0.3 (0.3), and other operating expenses were MSEK 0.3 (1.5).

Research and development costs

Modelon recognizes all research and development costs as operating expenses and does not capitalize any development costs.

Development costs in the first quarter amounted to MSEK 10.6 (14.8), a decrease of 29 percent. Development costs have decreased as an effect of the efficiency program which was launched in the third quarter 2024.

Key Performance Indicators

KPIs are defined on page 9, under Quarterly development.

MSEK	Quarter, Jan - Mar		Jan - Dec	
	2025	2024	Change	2025
Annual recurring revenue	59.9	53.1	13%	60.3
Development costs	10.6	14.8	-29%	54.7

Earnings

Quarter, January – March 2025

The financial development in Q1 shows the result improving with growing revenues and lower costs from the restructuring in Q3/24. EBIT for the quarter amounted to MSEK -8.3 (-14.4). There were no adjustments of earnings in the quarter.

Net financial income

Net result from financial items for the quarter amounted to MSEK -0.5 (0.0).

Net result after tax

Net result after tax in the quarter amounted to MSEK -9.0 (-14.2), corresponding to SEK -0.52 per share.

Financing and cash flow

As of March 31, Modelon's total available liquidity amounted to MSEK 74.1 (65.0), of which the cash balance amounted to MSEK 64.1 (55.0), and unutilized credit facilities amounted to MSEK 10.0 (10.0). Cash flow from operating activities amounted to MSEK +3.0 (-4.1) for the first quarter. The change in working capital amounted to MSEK +9.9 (10.8) in the quarter. The positive change in working capital for the quarter is mainly related to lower accounts receivable.

The share

As of March 31, 2025, the total number of shares in Modelon was 17,224,706 (11,016,471). The total number of shares after full dilution is 17,630,591. The company's registered share capital is SEK 1,442,605. The average number of shares in the quarter is 17,224,706 (11,016,471). The average number of shares in the period January - March is 17,224,706 (11,016,471).

Share incentive programs

Modelon has four active share incentive programs: 2022/2026, 2023/2027, and 2024/2028 for all employees, and 2024/2027 for CEO Jan Häglund. Each of the employee incentive programs is split into two series, in which warrants are offered to Swedish employees and stock options are offered to employees outside Sweden. The number of outstanding warrants and stock options in these four programs is 405,885, and the total dilution effect from share incentive programs if all warrants and options are allotted, vested, and exercised for acquisition of shares is 2.30% per March 31, 2025.

Parent Company

January – March 2025

Total revenues of the parent company for the period amounted to MSEK 14.0 (13.2) with an EBIT of MSEK -9.1 (-12.5). Since the parent company owns all IP rights in Modelon software products, it is also carrying all development costs. Net result from financial items for the period amounted to MSEK -0.5 (0.0) and the net result was MSEK -9.6 (-12.4).

Largest shareholders

The table below shows the major shareholders in the company per March 31, 2025.

Owner	Shares	Capital
Noledom Holding AB ¹	5,021,806	29.2%
Accendo Capital	4,010,053	23.3%
RoosGruppen AB	1,766,796	10.3%
ES Aktiehandel AB	724,071	4.2%
Ansys Inc.	645,000	3.7%
Challengers Europe	427,882	2.5%
Ålandsbanken	405,000	2.4%
Hubertus Tummescheit	329,670	1.9%
Avanza Pension	306,779	1.8%
Johan Andreasson	293,959	1.7%
Total top 10	13,931,016	80.9%
Other owners	3,293,690	19.1%
Total number of shares	17,224,706	

¹ Noledom Holding AB comprises company co-founders that currently are or previously have been active in the company management or board.

Financial targets

Revenue	Annual Recurring Revenue growth above 20 percent
Cash Flow	Free Cash Flow positive from 2026
Operating Profit	Long-term Operating Profit Margin above 20 percent

Financial targets should not be viewed as a forecast but rather as the ambition that the board of directors and executive management believe are reasonable long-term objectives for the company.

Risk factors

Modelon operates in a market where competitors are both global and local. Some of these are companies with significantly larger sales and marketing organizations. Such companies can expose Modelon to competition because they can sell broad, comprehensive software solutions, higher up in customers' organizations. Risks also include technical development and production safety, IT and information security, and the ability to attract and retain key personnel. Financial risks include financing of the business and possible future financing. Legal risks consist of new or changed regulations as well as disputes and litigation. Risks that are managed well can lead to opportunities and create value, while risks that are not managed properly can lead to damage and unnecessary costs for the company. Read more about company-specific risk factors in our annual report for 2024.

Sustainability

Modelon's sustainability work is separated into two parts: internal activities to become more sustainable and the offerings to customers. Modelon can, with deep expertise in digitization based on system modeling and simulation, help its customers in the field of sustainability. Digitalization generally entails a reduction or elimination of transport, travel, and resource-intensive prototype construction and related testing. Furthermore, Modelon's solutions are often used to enable and drive innovation and conversion of products into more sustainable technology and solutions. The work revolves around Modelon's most important stakeholders: employees, customers, owners, and the community in which the group operates. Read more about sustainability in our annual report for 2024.

Financial statements

Condensed Consolidated Income Statement

MSEK	Quarter, Jan - Mar		Jan - Dec
	2025	2024	2024
Net revenue	20.4	18.3	83.6
Other operating income	0.9	1.2	2.5
Total revenue	21.3	19.5	86.1
Operating expenses			
Other external expenses	-7.1	-11.2	-40.4
Personnel costs	-21.9	-20.9	-91.6
Non-recurring items ¹	0.0	0.0	-11.8
Depreciation and amortization	-0.3	-0.3	-1.0
Other operating expenses	-0.3	-1.5	-2.6
Total operating expenses	-29.6	-33.9	-147.3
Operating result	-8.3	-14.4	-61.2
Financial items			
Interest income and similar items	0.2	0.2	2.0
Interest expenses and similar items	-0.6	-0.1	-0.6
Net result from financial items	-0.5	0.0	1.3
Profit/loss before tax	-8.7	-14.4	-59.9
Tax	-0.3	0.2	0.4
Net profit/loss	-9.0	-14.2	-59.4

¹ Non-recurring items consist of personnel costs related to denied employer tax deductions and restructuring in 2024.

Condensed Consolidated Balance Sheet

MSEK	2025-03-31	2024-03-31	2024-12-31
Fixed assets			
Licenses	0.0	0.0	0.0
Equipment	1.7	2.5	2.1
Deferred tax assets	16.3	16.3	16.5
Total fixed assets	18.0	18.8	18.6
Current assets			
Accounts receivable	9.7	9.7	34.2
Other receivables	4.8	7.1	5.6
Other short-term investments	0.0	20.0	0.0
Cash and bank	64.1	35.0	62.6
Total current assets	78.6	71.8	102.3
TOTAL ASSETS	96.7	90.7	121.0

Consolidated Balance Sheet, cont.

MSEK	2025-03-31	2024-03-31	2024-12-31
Shareholders' equity			
Share capital	1.4	0.9	1.4
Other equity incl. net profit/loss	35.8	39.2	45.1
Total shareholders' equity	37.3	40.1	46.5
Liabilities			
Deferred tax liabilities	0.0	0.0	0.0
Accounts payable	1.7	5.4	2.5
Deferred revenue, prepaid licenses	39.3	31.5	45.7
Other liabilities	18.4	13.7	26.2
Total liabilities	59.4	50.5	74.4
TOTAL EQUITY AND LIABILITIES	96.7	90.7	121.0

Condensed Consolidated Cash Flow Statement

MSEK	Quarter, Jan - Mar		Jan - Dec
	2025	2024	2024
Operating income	-8.3	-14.4	-61.2
Adjustment for non-cash items	1.6	-0.2	-0.2
Interests and paid taxes	-0.2	-0.3	1.4
Change in working cap. receivables	22.6	11.9	-9.7
Change in working cap. liabilities	-12.6	-1.1	22.0
Cash flow from operating activities	3.0	-4.1	-47.7
Investments	0.0	-0.2	-0.4
Cash flow from investing activities	0.0	-0.2	-0.4
New share issue	0.0	0.0	56.5
Transaction costs, new share issue	0.0	0.0	-5.2
Repurchased warrants	0.0	0.0	0.0
Premiums received for warrants	0.0	0.0	0.3
Cash flow from financing activities	0.0	0.0	51.6
Net increase/decrease in cash and equiv.	3.0	-4.3	3.5
Cash and liquid assets at start of period	62.6	59.0	59.0
Exchange rate differences	-1.6	0.3	0.1
Cash and liquid assets at end of period	64.1	55.0	62.6

Condensed Consolidated Changes in Equity

MSEK	Share capital	Other contr. of equity	Other equity incl. profit	Total equity
As of January 1, 2024	0.9	200.2	-147.2	53.9
Exchange differences			0.4	0.4
Net loss for the period			-14.2	-14.2
Transactions with owners:				
Repurchased warrants		0.0		0.0
As of March 31, 2024	0.9	200.2	-161.0	40.1
Exchange differences			-0.1	-0.1
Net loss for the period			-45.3	-45.3
Transactions with owners:				
New share issue	0.5	56.0		56.5
Transaction costs, new share issue		-5.2		-5.2
Premiums received for warrants		0.3		0.3
Issued warrants		0.1		0.1
Repurchased warrants		0.0		0.0
Share-based payments			0.0	0.0
As of January 1, 2025	1.4	251.3	-206.3	46.5
Exchange differences			-0.2	-0.2
Net loss for the period			-9.0	-9.0
Transactions with owners:				
Repurchased warrants		0.0		0.0
As of March 31, 2025	1.4	251.3	-215.5	37.3

Condensed Income Statement, Parent company

MSEK	YTD, Jan - Mar	
	2025	2024
Net revenue	13.2	12.0
Other operating income	0.9	1.2
Total revenue	14.0	13.2
Operating expenses		
Other external expenses	-7.8	-13.3
Personnel costs	-13.4	-11.3
Depreciation and amortization	-0.1	-0.1
Other operating expenses	-1.8	-0.9
Total operating expenses	-23.1	-25.6
Operating result	-9.1	-12.5
Financial items		
Loss from shares in group companies	0.0	0.0
Interest income and similar items	0.2	0.1
Interest expenses and similar items	-0.6	-0.1
Net result from financial items	-0.5	0.0
Profit/loss before tax	-9.6	-12.4
Tax	0.0	0.0
Net profit/loss	-9.6	-12.4

Condensed Balance Sheet, Parent company

MSEK	2025-03-31	2024-03-31	2024-12-31
Fixed assets			
Licenses	0.0	0.0	0.0
Equipment	0.8	1.2	0.9
Shares in group companies	6.2	6.2	6.2
Deferred tax assets	15.5	15.5	15.5
Total fixed assets	22.4	22.8	22.5
Current assets			
Accounts receivable	1.2	1.3	9.8
Receivables from group companies	0.5	0.0	2.4
Other receivables	3.3	4.8	4.0
Other short-term investments	0.0	20.0	0.0
Cash and bank	51.2	24.8	51.0
Total current assets	56.2	50.9	67.2
TOTAL ASSETS	78.6	73.8	89.7
Shareholders' equity	40.2	37.2	49.8
Liabilities			
Accounts payable	1.6	5.1	2.3
Short-term liabilities to group companies	8.6	11.8	2.1
Other liabilities	28.2	19.7	35.5
Total liabilities	38.4	36.6	39.9
TOTAL EQUITY AND LIABILITIES	78.6	73.8	89.7

Accounting principles and currency exposure

The consolidated interim quarterly report for the Group is prepared in accordance with Swedish GAAP, annual accounting act, according to the same principles as the annual report. There has been no change in principles since the 2024 annual report was published.

Software license renewals and subscription revenue are accrued over the license validity period, and service revenue is generated as the services are completed (POC, percentage of completion).

The financial statements are presented in SEK, the functional currency of Modelon AB. Sales are largely generated in foreign currency, mainly USD and EUR, in addition, foreign subsidiaries are included in the consolidation. USD is the dominant sales currency.

The income statement is translated at the period-average exchange rate while balance sheet items are translated at the closing rate. Net exposure in USD (i.e., the difference between sales and costs in USD) is expected to be somewhat higher in 2025 compared to 2024, approximately 1.5 MUSD, corresponding to 16.5 MSEK per the USD rate at the end of the period. A ± 5 percent change in the USD/SEK exchange rate would affect the net result by approximately ± 0.8 MSEK over the fiscal year. A higher USD exchange rate vs. SEK would result in increased revenue and EBIT.

Quarterly development

MSEK	2025 Q1	2024 Q4	2024 Q3	2024 Q2	2024 Q1
Annual recurring revenue	59.9	60.3	57.1	54.6	53.1
Change QoQ	-1%	6%	5%	3%	5%
Net revenues	20.4	22.8	20.5	21.9	18.3
Software revenues	15.1	15.7	14.4	14.4	13.5
Service revenues	5.3	7.1	6.1	7.5	4.8
Other operating income	0.9	1.2	0.2	-0.1	1.2
Adjusted EBIT	-8.3	-11.6	-12.0	-11.4	-14.4
Adj. EBIT margin	-40.5%	-50.7%	-58.5%	-52.1%	-78.7%
Net result after tax	-9.0	-14.1	-18.8	-12.4	-14.2
Net result per share (SEK)	-0.52	-0.82	-1.09	-1.13	-1.29
Deferred revenue (pre-paid), per EOQ	39.3	45.7	25.2	32.9	31.5
Cash flow from operations	3.0	-11.4	-17.6	-14.6	-4.1
Development costs	10.6	12.6	13.8	13.5	14.8
Average number of shares	17,224,706	17,224,706	16,954,783	11,016,471	11,016,471

Definitions

Annual Recurring Revenue (ARR) is defined as the recurring software revenue from the reporting quarter multiplied by four. ARR for previous periods is reported at constant currency, evaluated at the current period's average exchange rate.

Development costs include the operating costs and investments in our complete software product portfolio.

Modelon presents selected financial Key Performance Indicators (KPI's) that are not defined by Swedish GAAP, and which are considered to provide valuable complementary information to investors in assessing company performance. Since companies may define such metrics differently, we suggest caution in using these for comparison among companies. These metrics should not be considered as replacing any metrics defined in Swedish GAAP.

Annual General Meeting

Modelon will hold its annual general meeting in Lund on May 6, 2025. The three largest shareholders in Modelon have formed a nomination committee with the following representation:

- Johan Andreasson, Chairman, representing Noledom Holding AB
- Kai Tavakka, representing Accendo Capital SICAV RAIF
- Håkan Roos, representing RoosGruppen AB
- Christer Ljungberg, Chairman of the Board, adjunct

The Board proposes that no dividend is paid, as communicated in the announcement of the annual general meeting.

More information about the AGM is available at www.modelon.com/agm2025.

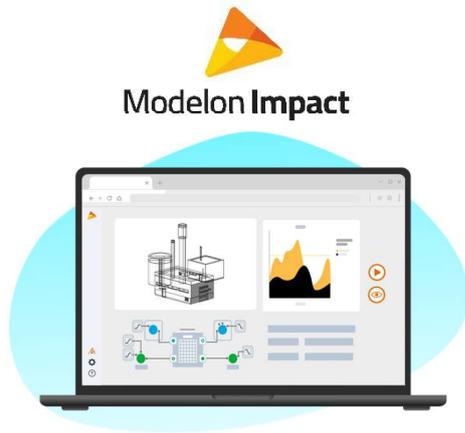
Financial Calendar

Financial reports are published and made available at www.modelon.com

May 6, 2025	Annual General Meeting
July 24, 2025	Q2 Interim Report
October 30, 2025	Q3 Interim Report
February 17, 2026	Q4 and Year-end Report 2025

Review

This interim report has not been reviewed by the company's auditor.



Modelon Overview

Business and Operations

Modelon is a global company founded in 2004 with approximately 100 employees distributed among seven offices in five countries (Sweden, USA, Japan, Germany, and India). The company is headquartered in Lund, Sweden, where senior executives, group administration including finance, HR, and IT, as well as product development functions are based. Modelon has historically demonstrated consistent growth in annual recurring revenues.

Modelon offers software products and complementary consulting services in physics-based modelling, simulation, and analysis of complex technical systems, which enable companies to digitize, transform, and improve their product development and operations. Modelon is a global player with several industry-leading companies as clients, including Carrier, NASA JPL, Toyota, MAN Group, and Daimler.

Modelon's flagship product, Modelon Impact, is a cloud-native system simulation software platform featuring a collaborative browser-based interface and thousands of proven models and components spanning a broad range of applications. Modelon's solutions are built on international open standards including Modelica, an open modeling language for component-oriented modelling of complex systems, and Functional Mock-Up Interface (FMI), a tool-independent standard to support model exchange and simulation of dynamic models. Modelon Impact is based on modeling and simulation technology that has been developed over 20 years and includes a cloud native simulation platform, compiler, and model libraries.

Modelon's vision is to be a global SaaS leader and to empower technology industries world-wide to accelerate their product innovation, development, and operations with Modelon Impact, the industry-leading cloud native systems modeling and simulation platform.

Learn more about Modelon Impact on our blog or follow us on LinkedIn:

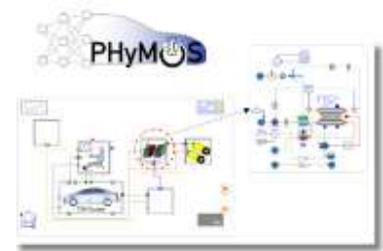
www.linkedin.com/company/modelon

HYBRID MODELING WITH A REDUCED ORDER MODEL AND NEURAL NETWORK APP

MARCH 24, 2025

Physical modeling offers predictive capabilities and a deeper understanding of system behavior through fundamental physics. However, in some cases, achieving lower computational costs or faster processing is more desirable. Then you can benefit from hybrid modeling—combining different traits, such as physics-based components and data-driven techniques. Reduced Order Modeling (ROM) plays a crucial role in this approach by simplifying complex models while maintaining accuracy, enabling faster simulations and real-time optimizations.

<https://modelon.com/blog/hybrid-modeling-with-a-reduced-order-model-and-neural-network-app/>



ANALYSIS VIEW: SIMPLER, FASTER POST-PROCESSING & VISUALIZATION

MARCH 10, 2025

Learn about Modelon Impact's latest data visualization feature. Take system modeling and simulation to the next level with Modelon Impact's new Analysis View — a dedicated space to explore, compare, and interpret simulation results. Available to all Modelon Impact Cloud customers, Analysis View makes it easier to extract key insights and improve your system designs.

<https://www.modelon.com/news-blog/>



DESIGNING CLOSED-LOOP CONTROL SYSTEMS WITH MODELICA

MARCH 5, 2025

This blog series the steps to implement a closed-loop control system using a Solid Oxide Fuel Cell (SOFC) system model as an example. A closed-loop control strategy is essential for an SOFC system because it continuously adjusts key operating parameters—such as fuel flow and temperature—based on real-time feedback to ensure optimal efficiency and stability. This approach helps maintain safe operating conditions, improve system responsiveness to disturbances, and extend the lifespan of critical components.

<https://modelon.com/blog/designing-closed-loop-control-systems-with-modelica/>



About Modelon

Modelon offers systems modeling and simulation software that accelerates product innovation, development and operations in a range of industries. Modelon's flagship product, Modelon Impact, is a cloud-native system simulation software platform featuring a collaborative browser-based interface and thousands of proven models and components spanning a broad range of applications. Headquartered in Lund, Sweden, and with global reach, Modelon is an expert industry leader in model-based systems engineering with a focus on leveraging open standard technologies.

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