



**NUCLEUS
RESEARCH**

CPM TECHNOLOGY VALUE MATRIX 2023

ANALYST

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THE BOTTOM LINE

External market factors have forced businesses to reassess their budgeting and planning strategies. With greater pressure to run lean finance teams, organizations are turning to Corporate Performance Management (CPM) technology to enhance their planning and forecasting capabilities. In addition to modern analytic capabilities that help businesses better manage budget variances and protect their cash positions, organizations also prioritize financial close and consolidation and account reconciliation functionality to drive value for accountants. With many buyers of CPM technology migrating off Microsoft Excel for FP&A and accounting processes, there remains plenty of greenfield opportunities for CPM vendors.



MARKET OVERVIEW

Geopolitical risk and economic uncertainty have impacted business across the board, exemplified by supply chain disruptions, mass layoffs in the tech industry, and volatility in commodity pricing and financial markets. Companies find success in combatting uncertainty by turning to Corporate Performance Management (CPM) technology that allows for agile

budgeting and planning without increasing finance headcount. Nucleus noted that most organizations deploying a CPM solution were first-time buyers still relying on Excel for financial planning and analysis (FP&A).

Today's buyers typically prioritize CPM platforms with a breadth of functionality, with forecasting tools for finance teams and account reconciliation capabilities for accountants. In addition, easy-to-use analytics was often cited as a key criterion to provide daily users and executives with real-time role-based dashboards without the need for costly data scientists. Organizations often adopt CPM to enable integrated business planning (IBP) initiatives, giving departments outside of finance the opportunity to participate in budgeting and planning for continuous organizational alignment.

Nucleus found that a CPM solution's most significant benefit is helping businesses protect their cash positions, which is vital in a market downturn. Organizations leverage their CPMs to consolidate financial information for a bird's eye view of their finances, enabling accurate cash and expense projections. With a real-time view and continuous forecasting, businesses can better manage budget variances, and managers can better adhere to their spending guidelines. Since non-finance department heads can leverage a CPM solution, they can provide input to budgets and update their spending for alignment across finance, sales, marketing, and operations.

CPM Vendors today are focusing development on analytics, either developing or embedding business intelligence tools within their platforms. Business users can build dashboards and visualize information at the desired dimensions without data scientists or requesting IT for specific configurations. AI/ML-enabled modeling continues to be a development priority as users have realized increased forecast accuracy and automation benefits. For example, sales projections of stable items and accounts can be managed and rolled up without human intervention, freeing up finance users for further analysis and reporting. Select vendors have already introduced ESG planning modules and report templates within their solutions, and users can expect ESG functionality to be common stakes within the CPM market moving forward.

The Nucleus Research CPM Technology Value Matrix provides an assessment of the market based on how vendors deliver value to customers through the usability and functionality of their solutions (Nucleus Research v67 – Understanding the Value Matrix, April 2021). The research is intended to deliver a relevant snapshot of the CPM technology market, rather than serve as an empirical ranking of the vendors. The arrows indicate each vendor's perceived momentum and are informed through conversations with end users, recently released capabilities, features, and other areas of investment.

LEADERS

Leaders in the Value Matrix include Board International, OneStream Software, Oracle Fusion Cloud EPM, Planful, Prophix, and Vena Solutions.

BOARD INTERNATIONAL

Board is recognized as a leader in the 2023 CPM Value Matrix. Board currently focuses on serving mid to large enterprise customers with its Intelligent Planning Platform, complete with FP&A, Consolidation and Close, Lease Accounting, Supply Chain Management, and Retail Planning functionality. The Board Intelligent Planning Platform provides customers with a suite of software solutions that enable organizations to analyze financial and operational data to uncover insights and make data-driven decisions. In addition to FP&A and intelligent planning, users leverage Board for financial close, consolidation, and statutory reporting. The platform enables users to access and analyze data from multiple sources, create and manage custom dashboards, and create reports that can be shared and monitored in real time. Additionally, Board International provides predictive analytics capabilities, allowing users to leverage machine learning forecasting, what-if and scenario modeling, and cluster analysis.

Recent product updates in the last 12 months:

- Board launched its Smart excel integration (Smart Import Object) that supports file upload, copy and paste and data entry/write-back to excel files with automatic validation rules and a simple interface.
- Board enhanced its Empowered Collaboration capabilities with Feeds/must-read tools, allowing a user with an “author” role, to publish Feeds/News/Alerts to a single user or group of users to manage the workflow of the financial planning process. Feeds include a “must-read” feature that allows pushing a notification. This feature reduces the use of emails to coordinate the rhythm of the budgeting/planning exercise, retaining users within the planning platform. “Discussion threads” allows any user to start a discussion thread linked to a specific planning screen, scenario, reporting Unit, or filter. This greatly enhances in-context collaboration between all planning contributors and actors, reducing the need to use email and other systems outside the platform. It also creates a history of comments and discussions around a budget line item, which can be of great value to review when the next budgeting cycle occurs.
- Boards International’s announced an integration with Microsoft, including Power BI, that provides customers with a powerful solution for project, portfolio, and resource management. This integration helps customers better plan, prioritize, and manage

their projects, resources, and portfolios, and provides customers with the insights they need to make informed decisions. The integration also allows customers to take advantage of the scalability and cost-effectiveness of Microsoft's cloud-based services.

ONESTREAM SOFTWARE

OneStream is recognized as a leader in the 2023 CPM Technology Value Matrix for its comprehensive CPM platform, delivering capabilities for financial close and consolidation (FCC), budgeting, forecasting, reporting, and analytics. It also includes built-in capabilities for data integration and validation, workflow automation, data visualization, as well as operational analytics and reporting to extend customer value and decision analysis capabilities. This unified approach enables customers to replace multiple legacy applications and cloud point solutions so finance teams spend less time managing data and systems and more time performing value-added analysis supporting decision-making. Customers can also address new requirements as they arise with the OneStream MarketPlace, featuring over 50 solutions that customers can download, configure, and deploy to extend the value of the OneStream platform.

Over the past year, OneStream has continued to deliver product improvements to enhance customer value. This includes the launch of its Sensible Machine Learning (ML) solution and new features extending OneStream's Account Reconciliations and Transaction Matching marketplace solutions.

- At its annual user conference and partner summit in May 2022, OneStream released Sensible ML to empower enterprise planning with artificial intelligence without the need for dedicated data scientists or additional software. With the ability to automatically create thousands of daily and/or weekly ML forecasts for demand planning and sales forecasting, customers can expect this to accelerate time to value for critical planning processes and improve forecast accuracy.
- OneStream added multiple features to its Account Reconciliation MarketPlace solution to enhance usability and audibility within the solution, including time-based attributes, enhanced reconciliation states, security assignment at the reconciliation level, and audit logging.
- With the latest release of its Transaction Matching MarketPlace solution, OneStream delivered database enhancements that increase the volume capacity for transaction matching, unlocking new use cases for transaction matching in larger enterprises.

ORACLE FUSION CLOUD EPM

Oracle is placed as a leader in the 2023 CPM Value Matrix as recognized for the Oracle Fusion Cloud EPM Cloud. Oracle Cloud EPM provides a comprehensive set of features supporting financial planning and analysis (FP&A), financial close and consolidation (FCC), budgeting, and forecasting, to help organizations improve their financial planning and performance management processes. Additionally, Oracle Cloud EPM offers a wide range of features and capabilities that are tailored to meet the specific needs of larger enterprises, such as advanced analytics, predictive modeling, and real-time reporting. Larger enterprises also prioritize the platform's sophisticated FP&A functionalities, such as support for top-down, bottom-up, and zero-based budgeting, profitability & cost management, and differentiated FCC capabilities, including narrative and tax reporting and close process orchestration. Customers can adopt Oracle Cloud EPM alongside the vendor's ERP, HCM, and CRM applications within the Oracle Cloud Applications Suite or deploy it as a standalone product with other ERP systems. Because of the functional breadth of Oracle Cloud EPM, the solution is often selected by organizations undergoing end-to-end financial system transformations.

Over the last 12 months, Oracle has focused development on product enhancements that benefit the Oracle Cloud ecosystem and updates that pertain directly to Oracle Cloud EPM.

- Additions and enhancements to pre-built solutions addressing connected planning needs in functions beyond finance including sales, supply chain, human resources, IT, and marketing. Oracle's solution offerings include Sales Planning, Strategic Workforce Planning, Integrated Business Planning & Execution, and IT Financial Management.
- Improvements to Oracle EPM insights automates data analysis for ML-enabled pattern recognition for biases, anomalies, and correlations. Users can tune the insights engine to manipulate weightings and determine the significance of drivers through a wizard approach without the need for data scientists. Oracle's roadmap also includes an AutoML engine and a pre-built AI/ML based solution for predictive cash forecasting.
- New Enterprise Journals capabilities include the ability to post journals directly or automatically from Oracle EPM to an ERP system, track and manage journal processes from a central location, and new prebuilt templates and workflows for journal entry tasks.
- Oracle Fusion Cloud EPM Freeform allows users to leverage Essbase in their Oracle Cloud ecosystem. Oracle users can also migrate on-premises Essbase cubes and analytic models into Oracle Cloud EPM.

- Beyond the above EPM-specific capabilities, EPM customers will also benefit from broader Oracle initiatives such as the following: Oracle Applications Platform grants partners and customers the ability to create internal applications with the same Oracle user experience with various low/no-code toolsets and Redwood UX design assets. Oracle also announced embedded services in Fusion applications for B2B commerce use cases including native integration with banking and logistics services.

PLANFUL

Planful is positioned as a leader in the 2023 CPM Value Matrix as recognized for its cloud-based financial planning and analysis (FP&A) platform. It combines planning, budgeting, forecasting, and reporting capabilities to streamline the financial planning process and enables users to create and manage budgets, forecasts, and financial plans. Planful also offers a range of advanced analytics and machine learning capabilities that enable organizations to gain deeper insights into their financial data, such as scenario planning, what-if analysis, and predictive analytics. Organizations can also leverage Planful's collaborative planning capabilities to enhance collaboration across departments and roles, ensuring that all stakeholders have a consistent understanding of planning and budgeting. Additionally, Planful features over 200 pre-built connectors to popular data warehouses, ERP, HCM, and CRM systems. This allows organizations to incorporate all their data into planning processes with bi-directional data integration capabilities. Planful is also intuitive to deploy with a wizard-based configuration that requires no coding or scripting.

Planful has continued to extend the value of its FP&A platform over the past year with its monthly update cycle.

- In February 2022, Planful added history audits to see cell-level data changes across templates, reports, and dashboards. Planful also introduced the second phase of its virtual finance assistant, Predict Projections, allowing customers to use AI/ML directly in the planning process to provide suggested values for budgets and forecasts.
- In April 2022, the vendor launched Planful Help, providing users with detailed tips and walkthroughs for all application functionality and screens.
- In May 2022, Planful introduced its new data fabric, Ivy. This improved the user experience and gives customers faster calculation times, automated processing, and improved accuracy.
- In December 2022, Planful introduced a capability to create a Snapshot or backup of templates and all the data before sharing it with business users in case a restoration is needed. Planful also added Predict Exclusions, giving users the ability to leverage projections only on the specific subset of data they want to utilize.

PROPHIX

Prophix is placed as a leader in the 2023 CPM Value Matrix as recognized for its CPM platform called the Prophix Financial Performance Platform, offering unified capabilities to support budgeting and planning, reporting and analytics, financial close, consolidation (FCC) and intercompany management, and workflow automation. The platform is designed to be easy to use, even for those without a background in accounting or finance. It features a user interface designed to reduce the complexities of using spreadsheets as their preferred interface while also offering integration with Microsoft Excel, which enables a broader range of users to utilize the system. In addition, its academy offers a library of tutorials and videos to help users get up and running quickly and a built-in Advisor to help optimize modeling and administration. The software also includes a variety of pre-built templates and reports to help users create financial statements. Prophix also offers a broad range of customization options, allowing organizations to tailor reports, dashboards, and other financial documents to their specific needs. Furthermore, users can use Prophix's natural language and machine learning capabilities to identify anomalies in data and automate common tasks to streamline FP&A processes.

Prophix has made significant product improvements over the last year through organic development and targeted acquisitions.

- The Acquisition of Sigma Conso and its integration with the Prophix Financial Performance Platform provided the vendor with enterprise-grade financial consolidation and intercompany management while increasing its global footprint.
- The vendor released Data Integration Studio to streamline integrations with other business systems without the need for a separate solution or dedicated IT.
- Prophix also extended its AI capabilities with automated report narratives and Reporting Insights.

VENA SOLUTIONS

Vena Solutions is a leader in this year's CPM Value Matrix, recognized for its CPM platform, Vena Complete Planning, suited for businesses of all sizes. Founded in 2011, Vena runs on Amazon Web Services (AWS) and stores financial, operational, and transactional data for customers. Vena specializes in providing a platform and services for financial and operational planning, budgeting, forecasting, reporting, financial close, and consolidations through a Excel user interface (Microsoft Excel desktop and Microsoft 365). Vena leverages Excel's calculations, formulas and formatting connected to a central database and collaborative workflows providing high user adoption, flexible modeling and strong analytical and audit capabilities. Vena Complete Planning enables customers to make data-driven decisions, uncover actionable insights and drive growth across their business. Vena

with Power BI Embedded, included in the Vena Platform, adds predictive analytics, machine learning, and AI-driven insights to help customers identify, prioritize, and to confidently adapt and respond to change.

Recent product updates in the last 12 months include:

- Vena has invested in an Open Data API strategy making all data APIs publicly available and fully documented. This allows direct integration to any API-supported source systems as well as integration with existing iPaaS vendors. Vena API is accessible from the Vena Marketplace, a listing of all certified Vena integrations – including recently added Vena for Microsoft Dynamics 365 Business Central.
- Vena announced a fully integrated modern Microsoft 365 integration experience. Vena’s most recent Microsoft 365 integration leverages Microsoft’s latest development platform, where Vena has built superior collaboration, enhanced data exploration and analysis, a web-integrated approach, and a modern user interface and experience that is device agnostic and supports both Windows and Mac operating systems.
- Vena now offers a fully integrated and embedded Power BI experience combined with Azure Data Lake infrastructure to help users drive advanced analytics and AI-driven analysis. Vena has fully productized and optimized all data connectivity, data modeling, and predictive modeling (including predictive forecasting, anomaly detection, and key influencers) such that customers are provided with out-of-the box configurations, and embedded Power BI reports by industry, including multi-dimensional analysis, scenario analysis, and predictive analytics.
- Vena’s enhanced Data Modeler with data model optimization provides best practices to empower users to quickly build and optimize their business models for ease of maintenance, embedded financial intelligence, and large data set scalability. Features include quick start, quick build data models, and recommended models and scenario versioning.

WOLTERS KLUWER CCH TAGETIK

Wolters Kluwer CCH Tagetik is a leader in this year’s CPM Value Matrix, recognized for its comprehensive Extended Planning, Financial Close, and Regulatory Reporting solution designed for medium to large enterprises. The open platform consolidates financial and operational data from various functional departments, including finance, marketing, operations and sales, onto a single platform to facilitate integrated business planning and enterprise-wide decision-making. CCH Tagetik offers a range of solutions, including financial close and consolidation, financial and business planning, ESG and regulatory compliance management, analytics, reporting, and disclosures. With CCH Tagetik, businesses can gain

resiliency, optimize performance, and better align to propel strategy. CCH Tagetik is underpinned by an Analytic Information Hub, which allows users to aggregate and analyze granular data from different divisions for integrated business planning and integrated reporting. In addition, the platform incorporates AI-based predictive intelligence and machine learning-supported analytics to provide more complex insights.

Recent product announcements in the last year include:

- **CCH Tagetik ESG & Sustainability Performance Management:** This solution helps companies comply with ESG reporting requirements and achieve long-term sustainable growth. It streamlines data collection, calculation, and KPI disclosure to enable compliance with various standards and frameworks, including EU Taxonomy, GRI, SASB and more. In addition to compliance, the solution shows how ESG initiatives and financial performance converge, allowing companies to improve decision making, identify growth opportunities, and manage risk.
- **CCH Tagetik for Integrated Business Planning:** This solution connects and aligns strategic, financial, and operational plans across the organization to provide visibility, insights, and drive profitable growth. It connects strategy with operations and finance by providing a single performance platform where C-level executives can define strategic initiatives, business line managers can develop cross-functional operational plans, and finance can determine the impact of those plans on financials. Leveraging predictive intelligence and real-time scenario planning, along with collaboration and consensus planning, the solution facilitates transparency and accountability across the organization. It includes FP&A capabilities, Supply Chain Planning, Production Cost Planning and Control, and solution accelerators for Workforce Planning, Capital Expenses, and Cash Flow Planning.
- **CCH Tagetik Transaction Matching:** A tool that automates, analyzes, and reconciles high-volume transactions to accelerate the financial close and improve control, while optimizing corporate governance. The software automatically matches transactions from external and internal data sources, monitors workflow processes and approvals, and creates a detailed audit trail to ensure rigorous financial control. It uses a sophisticated text similarity correlations and an AI-pattern matching algorithm to increase speed, improve efficiency, and reduce errors.

EXPERTS

Experts in the Value Matrix include Anaplan, insightsoftware, SAP Analytics Cloud, and Workday Adaptive Planning.

ANAPLAN

Anaplan is an expert in this year's CPM technology value matrix, offering a comprehensive cloud-native planning, modeling, and forecasting platform that supports business functions in finance, sales, marketing, HR, workforce, IT, and supply chain. With its "Connected Planning" approach, Anaplan aims to improve organizational visibility and decision-making by centralizing operational data from multiple sources through its CloudWorks infrastructure. The platform is powered by the proprietary Hyperblock engine, which enables users to handle large volumes of data and perform fast calculations at scale, supporting complex business challenges such as long-term planning and scenario analysis. Anaplan's platform is flexible, configurable and supports a variety of use cases for both financial and operational planning, allowing users to tailor reports and dashboards to meet the specific needs of each functional stakeholder.

Anaplan announced several product enhancements and partnerships over the past year:

- On September 21, 2022, the Crown Commercial Service awarded Anaplan a place on the latest iteration of the G-Cloud framework, G-Cloud 13. This award enables Anaplan to make its Connected Planning cloud solutions available to all public sector entities in the United Kingdom via a compliant government procurement framework. Users of Anaplan's Connected Planning platform can now easily access the platform through a streamlined procurement process.
- On June 21, 2022, Anaplan's acquisition by Thoma Bravo, a leading software investment firm, was approved by Anaplan stockholders at the Special Meeting of Stockholders. The all-cash transaction, valued at approximately \$10.4 billion, was previously announced on March 20, 2022 and completed in June 2022. Users of Anaplan's Connected Planning platform will benefit from the acquisition, as it will provide the company with the resources and support needed to continue developing and improving the platform.
- In June 2022, Anaplan announced the expansion of its strategic relationship with Amazon Web Services (AWS) in Australia, which now hosts Anaplan's platform for enterprise planning on the AWS Asia-Pacific (Sydney) Region. This collaboration expands Anaplan's reach to new customer segments on AWS's world-leading cloud. This is positive news for Anaplan users, as it will allow the company to better serve the needs of customers in the Asia-Pacific region.
- In April 2022, Anaplan and Coupa announced a partnership to provide integrated capabilities that connect forward planning and forecasting with ongoing operational spend management. The partnership between Anaplan and Coupa represents a significant opportunity for users of Anaplan's Connected Planning platform to

optimize their planning and forecasting processes through the integration of operational spend management.

INSIGHTSOFTWARE

insightsoftware has been recognized as an expert in the 2023 CPM Value Matrix. The company, founded in 2018 and headquartered in Raleigh, North Carolina, with offices worldwide, offers enterprise performance management software to enable accountants, finance professionals, and CFOs to connect and analyze their data in real-time. The company's focus is on financial reporting, close and consolidation, budgeting and planning, business dashboards, tax provisioning, and transfer pricing. One of insightsoftware's key strengths is its ability to connect to over 140 different ERP and EPM solutions, making integration easier for customers with multiple ERPs and data sources from various vendors. In the past year, the company has focused on improving its cloud maturity capabilities, tax and transfer pricing functionality, audit trail and reporting enhancements, and integration with its wider portfolio.

Recent product enhancements include:

- insightsoftware has released Jet Analytics Cloud, a managed services offering of its Jet Analytics reporting and analytics solution designed to simplify financial and operational reporting and enhance the value of users' data. Jet Analytics Cloud combines these flagship services with turnkey managed hosting, regular upgrades, and reduced IT costs for customers. Jet Analytics is a no-code data preparation and analysis tool that allows businesses to consolidate multiple data sources, such as budgeting and planning, tax reporting, and equity management, in one place and is now available via a SaaS model hosted on Microsoft's Azure public cloud. It is compatible with multiple Enterprise Resource Planning platforms, including Microsoft Dynamics.
- insightsoftware has acquired Cubeware, a German business intelligence, analytics, and performance management company, expanding insightsoftware's presence in Germany, Austria, and Switzerland. Cubeware has been a leader in the BI field for over 20 years, with customers who rely on its insights to solve critical problems. Its Cubeware Solutions Platform provides a centralized dashboard for users to quickly process, visualize, and analyze relevant BI data, offering a uniform view on customers, products, and markets with interactive and responsive applications for data management, visualizations, reports, and guided planning workflows. Finance and operations teams can easily expand, customize, and optimize BI processes across their organization with minimal maintenance and training.

- insightsoftware has announced the integration of its CXO EPM reporting solution with the suite of Longview solutions, allowing organizations to deliver more comprehensive narrative and dynamic dashboards with their data through built-in commentary. The process of generating financial reports is often time-consuming, complex, and manual, leaving room for human error and increasing pressure on finance teams to deliver them promptly and in a visually dynamic way that supports business decision-making.
- insightsoftware has released Magnitude Angles for Oracle 22.1 (formerly Noetix), a cloud-accessible operational reporting and analytics solution that leverages enterprise data to deliver actionable insights and a library of over 1,800 pre-built, no-code business reports. The solution delivers a context-aware, process-rich business data model and a high-performance process analytics engine for Oracle Business Applications and includes new features for increased productivity, agility, and utility. The Angles product family, including Angles for Oracle, was acquired by insightsoftware in October 2021.

SAP ANALYTICS CLOUD

SAP Analytics Cloud is an expert in the 2023 CPM Value Matrix. SAP Analytics Cloud is SAP's flagship solution financial planning, forecasting, scenario modeling, and analytics. SAP Analytics Cloud is offered through the SAP HANA cloud platform and can be hosted on Amazon Web Services. By using SAP Analytics Cloud, businesses can collaborate more effectively, allowing users from different departments to work together on financial, operational, sales, marketing, and strategic planning. SAP also offers a wide range of capabilities, such as advanced analytics, automated planning, budgeting, forecasting, and predictive analytics. Furthermore, SAP 4/HANA provides a suite of tools to help users connect multiple data sources and manage their data and performance for analytic use cases within SAP Analytics Cloud. With these capabilities, SAP helps companies better understand their financial performance and take advantage of opportunities for improvement.

Recent product updates in the last 12 months:

- In 2022, SAP Analytics Cloud has implemented a number of new features and updates to its software. These updates are designed to provide customers and end users with improved visibility and insights into their data, better collaboration capabilities, and more secure access to the platform. Among the updates are new AI-driven analytics capabilities, a new self-service reporting feature, an improved user experience, and enhanced data visualization capabilities. Additionally, the platform now offers enhanced integration with other SAP products and improved

security measures. These updates are designed to help customers, and end users better understand their data and make better decisions.

WORKDAY ADAPTIVE PLANNING

Workday is an expert in the 2023 CPM Value Matrix recognized for Workday Adaptive Planning solution. Workday's Cloud Technology Platform is a web-based platform equipped with an integrated Microsoft Excel interface and a comprehensive range of financial management and HCM solutions, in addition to its FP&A offering. Workday Adaptive Planning from Workday provides companies with a wide range of capabilities, such as PBF (planning, budgeting, and forecasting), modeling, reporting, data analysis, data visualization, and configurable dashboards. Adaptive Planning enhances Workday's platform by integrating with other Workday products and data lake, as well as third-party solutions to provide comprehensive and integrated financial, sales, workforce, and operational planning.

Recent product updates in the last 12 months:

- Workday's September 13th, 2022 update to its finance and human resources capabilities includes features such as enhanced employee onboarding and onboarding experience, improved payroll and expense management, more accurate budgeting and forecasting, and better analytics and reporting. It also includes updates to existing features, such as applying machine learning and AI to streamline the employee experience, offering a more personalized experience for their customers, and improving data security. The overall goal is to provide organizations with the most efficient and accurate tools for managing their finances and human resources.
- Workday's April 21st, 2022 update to its finance, ESG, and human resources capabilities includes new features that aim to improve enterprise-wide visibility, collaboration, and decision-making. The update includes new features such as a comprehensive suite of reporting and analytics tools, enhanced compliance, and governance capabilities, and enhanced mobile capabilities. Additionally, the update includes new ESG capabilities such as enhanced reporting, tracking, and analysis of ESG-related data and metrics. Finally, the update includes new capabilities in human resources, including improved payroll, recruiting, and career management capabilities.

FACILITATORS

Facilitators in the Value Matrix include Centage, LucaNet, Sage Intacct Budgeting & Planning, and Unit4 FP&A.

CENTAGE

Centage is a facilitator in this year's CPM Technology Value Matrix, with a focus on delivering a range of CPM functionalities including planning, budgeting, forecasting, reporting, and analytics. Its flagship product, Planning Maestro, is primarily used by small and mid-sized organizations in industries such as distribution, education, healthcare, and manufacturing who are seeking to migrate away from Microsoft Excel and adopt a cloud-based CPM solution. Planning Maestro is a modern cloud platform that delivers easy-to-use and administer system for budgeting, planning, and scenario modeling functionality. Nucleus predicts that Centage will continue to be an attractive option for small and mid-sized businesses seeking to upgrade from Excel.

Recent product updates in the past year include:

- Centage announced the release of advanced workflow capabilities, which allow contributors to work together in real-time during the budget creation process. This feature provides better visibility and communication across the organization, as well as improved business efficiencies.
- In addition to the advanced workflow capabilities, Centage has also released enhancements to its forecasting capabilities. These enhancements allow users to combine actuals with the budget version quickly and easily to create a forecast version, enabling them to test and predict the impact of various scenarios and evaluate actuals to gain insights into financial plans, improve budgeting accuracy, set realistic goals, and detect and correct problems early.
- To further expand its offerings, Centage has partnered with global technology firm Intuit Inc., the maker of QuickBooks Online Advanced. This partnership allows Centage to bring its automated budgeting, forecasting, reporting, and analytics capabilities to QuickBooks Online Advanced customers and mid-market organizations looking for cloud-based financial planning and analysis (FP&A) solutions. The Planning Maestro Premium App for QuickBooks Online Advanced offers a two-way sync of financial data between QuickBooks Online Advanced and Planning Maestro, resulting in improved efficiency, fewer manual processes, and greater confidence in data quality and integrity. These features are especially useful for businesses as they navigate a constantly changing economic landscape.

LUCANET

LucaNet is placed as a facilitator in this year's CPM Technology Value Matrix, recognized for its comprehensive cloud-based CPM platform. Headquartered in Germany, LucaNet has 11 offices and sells to customers in over 50 countries across the world. LucaNet primarily targets the market with a consolidation first approach with transaction matching, intercompany eliminations, and journal entry capabilities. LucaNet also offers financial planning tools for budgeting, forecasting, and multi-scenario modeling purposes. Customers can leverage LucaNet for statutory reporting, management reporting, and disclosure management. In addition to a breadth of CPM functionality, LucaNet is differentiated by its transactional database that grants users the ability to drill down to the posting level of source systems and ensure cash positions are constantly aligned with the balance sheet. Users also select LucaNet for its ease of ownership from a daily user and administrative perspective, citing quick implementations and over 300 out-of-the-box ERP connectors.

Notable updates from the past year include:

- In April 2022, LucaNet announced that Hg, software and services investor, has in the company to fuel its continued growth and development. Nucleus believes the investment will support LucaNet's expansion into international markets, including LATAM and Southeast Asia.
- With the release of LucaNet 23 LTS, LucaNet has added new consolidation apps to its Consolidation 2 Next Generation engine, including Data Transfer and Proportioning and Elimination of Intercompany Debt.
- LucaNet launched the ESG and Sustainability reporting solution in 2022 enabling the organization to manage its ESG data and deliver sustainability reports and meet compliance requirements.

SAGE INTACCT PLANNING

Sage Intacct is placed as a facilitator in the 2023 CPM Value Matrix as recognized for FP&A tool, Sage Intacct Planning. Sage Intacct Planning is an add-on module to the Sage Intacct ERP system, primarily used for budgeting, forecasting, and scenario analysis. Differentiated by a wizard approach to budget and model building, Planning also offers customers the ability to customize their reports and dashboards to meet the specific needs of their business. With these unified capabilities, Sage Intacct helps customers reduce costs by automating manual processes and eliminating the need for multiple systems. Customers that Nucleus interviewed cite the platform's ease of use as a major selling point, with an intuitive user interface and tutorials to help users learn the system. Additionally, Sage offers

various prebuilt connectors to integrate with popular third-party applications, allowing businesses to easily manage their finances across multiple platforms.

Recent announcements to Sage Intacct Planning include:

- In April 2022, Sage announced the acquisition of Mateo cloud savings and loan software from MAS Integrated solutions to further support organizations in managing programs that involve a revolving loan fund.
- In May 2022, Sage launched Sage Intacct Real Estate, delivering a cloud-based accounting solution for property managers.
- In October 2022, Sage announced the availability of Sage Intacct and Sage Active on Microsoft Azure. This also included new product integrations with Microsoft, delivering enhanced capabilities integrated into Microsoft Teams.
- In October 2022, Sage also announced the acquisition of carbon accounting solution Spherics to help SMBs measure and cut their emissions.

UNIT4 FP&A

Unit4 FP&A is a facilitator in the 2023 CPM Value Matrix for providing customers with ERP, HCM, and CPM solutions that are specialized for the professional services, non-profit, and public sectors. Unit4 was founded in 1980 and is currently headquartered in the Netherlands. Unit4 FP&A is a cloud-based planning and analysis solution designed to help finance and accounting teams manage their budgets, track financial performance, and make data-driven decisions. It offers a suite of financial planning and analysis tools that enable organizations to plan and forecast more effectively, streamline financial reporting, and gain insight into their financial data. It also provides a collaborative workspace for users to share information, monitor progress, and collaborate on budgeting processes. With robust forecasting, budgeting, and planning tools, organizations can accurately plan their resources, manage cash flow, and monitor performance across departments. Unit4 FP&A allows users to create detailed multi-dimensional budgets that can be updated in real-time and help organizations identify areas of improvement and track success.

Recent product updates in the last 12 months include:

- Improvements to Unit4's ERP platform include master data, user type structures, iFrame, consistent user authentications, deep-link, post backs, and values through web APIs.
- Unit4 also updated its functionality with improvements to reporting, dashboarding, storytelling, and predefined IBCS reports.

- Unit4 has exposed its APIs, allowing users to connect their Unit4 instances with third party solutions.

CORE PROVIDERS

Core Providers in the Value Matrix include Infor EPM, Jedox, Solver, and Syntellis.

INFOR EPM

Infor EPM (Dynamic Enterprise Performance Management) has been recognized as a core provider in the CPM Technology Value Matrix 2023. Its comprehensive approach to performance management includes specialized solutions for budgeting, forecasting, financial reporting, and consolidation, as well as sales and operational planning. Infor EPM offers both cloud and on-premises deployment options, and can be integrated with third-party applications through its data injection and ETL capabilities. By leveraging the Infor OS platform, organizations can connect their on-premises and cloud applications and automate data flows to the Infor Data Lake, streamlining analytics and enhancing the user experience. In addition to traditional budgeting and planning, Infor d/EPM enables a variety of initiatives such as product and investment forecasting, workforce planning, and supply and demand planning.

Recent product updates include:

- Infor has launched the Infor Marketplace, a curated selection of solutions designed to augment and enhance customers' existing Infor investments. The Infor Marketplace aims to make it easier for customers to find, access, and license industry and micro-vertical solutions that can be integrated with Infor's enterprise software portfolio.

JEDOX

Jedox has been recognized as a core provider in the 2023 CPM Technology Value Matrix. Founded in 2001 and headquartered in Germany, the company offers a CPM solution that includes capabilities such as financial planning, budgeting, and forecasting. The platform can be deployed in the cloud, as a hybrid solution, or on-premises and features pre-built applications called Jedox models, which are designed to provide best-practice solutions for an integrated business planning approach. The Jedox Core Finance suite includes pre-built applications for integrated financial planning, such as balance sheets, CF, P&L, HR, sales, profit centers, and cost centers. Jedox fully integrates with Microsoft Excel, providing users with CPM features within an Excel environment. The company has also made consistent

improvements to its AI-assisted planning suite, which includes data preparation, predictive forecasting, and performance management solutions.

Recent product updates and enhancements include:

- Jedox has opened a new office in London as part of its international expansion plan. The team of nearly 20 employees based in the UK will focus on expanding partnerships and acquiring new business in the UK and Ireland.
- Jedox has announced a partnership with Microsoft to offer a platform that enables rapid planning using data from across the Microsoft environment. Jedox is now better designed for use with Microsoft Excel and integrates seamlessly with Microsoft products, facilitates collaborative planning by bringing together finance, sales, marketing, HR and other business functions to build a plan that supports the ambition of the business.

SOLVER

Solver is placed as a core provider in the 2023 CPM Value Matrix for its cloud and web-based CPM platform. Solver provides a comprehensive CPM platform that hosts consolidation, budgeting & planning, and reporting tools to address finance and accounting teams, and offers out-of-the-box connectors with most major ERP systems. With a focus on the SMB market, Solver sells its products worldwide through its global partner network and has 12 offices globally. Solver is differentiated by its Excel compatibility with an Excel-like user interface and logic and robust Excel plug-in. In addition, BI360, Solver's analytics engine, is powered by Microsoft Excel making visualizations and report generations easy to use with a broad audience of users already familiar with Excel. PowerBI users can also leverage a certified Solver connector to automatically populate dashboards and perform analytics within the BI tool to leverage up-to-date data with little to no manual data export/import and manipulations.

Notable updates from the past year include:

- In August 2022, Solver launched its Solver QuickStart implementation program. Solver QuickStart focuses on accelerating implementations for Microsoft Dynamics 365 Business Central, Microsoft Dynamics 365 Finance, Sage Intacct, and Acumatica users via a proprietary implementation wizard to automate and guide organizations through the process. QuickStart also provides users with over a hundred pre-built, ready-to-use reports, dashboards, and budget forms that are free to download and use immediately.

SYNTELLIS PERFORMANCE SOLUTIONS

Syntellis Performance Solutions, a provider of enterprise performance management software, data and intelligence solutions, is a core provider in the 2023 CPM Value Matrix recognized for its customizable CPM solution tailored to the requirements of the healthcare, financial, and higher education industries. Headquartered in Chicago, Illinois, Syntellis provides customers with a CPM solution, Axiom Software that arms finance professionals with tools for budgeting, planning, reporting, forecasting, and scenario planning. Axiom is available for cloud deployments on Microsoft Azure and is also available as an on-premises solution. Axiom Software enables users to create custom dashboards that display KPIs and financial metrics. Axiom Software also helps organizations connect to other applications, manage financial data, and create automated reports. The platform provides insights to help organizations better understand their financial performance and enables users to turn data into intelligence to accelerate decisions with actionable insights resulting in elevated financial outcomes and organizational success. Syntellis IQ synthesizes data to produce valuable insights by aggregating, anonymizing, and normalizing market data directly from financial and operational source systems. It then applies machine learning, predictive and prescriptive analysis, and artificial intelligence — including natural language processing — to deliver actionable insights.

Recent product updates in the last 12 months:

- Q4 2022: Syntellis made available Axiom Visual Insights as part of Axiom Intelligence analytics software that provides timely data and robust analytics and visualization capabilities for a comprehensive view of one's business to inform financial management and improvement initiatives.
- Q4 2022: Syntellis launched Focus Pathway, a claims visualization solution that transforms healthcare data into actionable intelligence for providers and other healthcare organizations to help them strategically determine where, when, and how to grow.
- In October 2022, Syntellis announced enhancements to Axiom Enterprise Decision Support. The new features will better support the increasingly complex data and reporting needs of large healthcare organizations with real-time insights for faster decision-making while improving the user experience.
- Q3 2022: Syntellis acquired the healthcare analytics platform Stratasan, an industry recognized company that provides advanced healthcare market intelligence and data analysis. The acquisition expands Syntellis' suite of intelligent planning and performance solutions and will help new and existing healthcare customers continue to grow with enhanced data quality and intelligence solutions to improve financial and operational planning.

- Q3 2022: Syntellis released Axiom Strategic Financial Planning to help higher education institutions better plan, budget, forecast and report on financials. It leverages a next-generation user interface, a modern platform design, and higher education-specific features to provide robust scenario modeling capabilities to help colleges and universities to make informed decisions about new or improved revenue streams and the allocation of financial resources.
- Q3 2022: Syntellis and Infor announced a new partnership to provide Infor's existing and new healthcare customers access to Syntellis' Axiom Healthcare Suite of intelligent planning and performance solutions, giving users robust EPM tools and the market's largest, most timely data-driven insights designed to improve cost of care and operational outcomes.
- Q2 2022: Syntellis and the American Hospital Association announced a strategic partnership to provide data-driven research designed to bring forward healthcare trends across the country.