



CUSTODY
END-TO-END
CUSTODIAN SERVICES

Intellect AI's eMACH.ai Custody

The ultimate guide to modernize your Custody Operations in the ever-evolving era

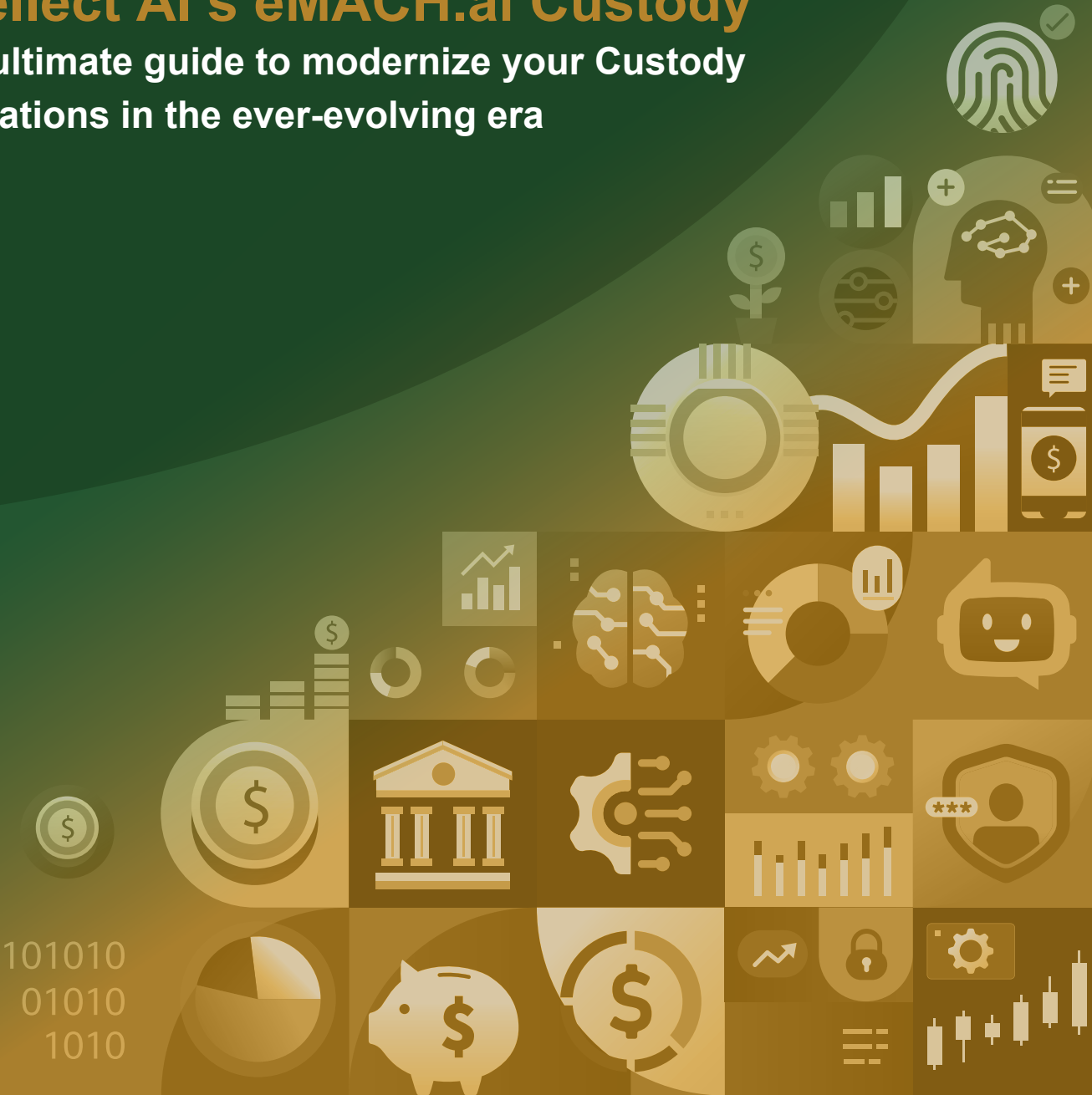


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Custody Industry overview:

The Custody landscape is experiencing profound changes driven by globalization and technological advancements, necessitating innovative solutions to maintain profitability and efficiency. The Custody service market reached \$ 38,110.7 million in 2022, having grown at a compound annual growth rate (CAGR) of 7.0% in 2017, with projections reaching \$63.06 billion by 2028. The custody services market price is expected to grow at a remarkable CAGR from 2023 to 2030. This expansion is fueled by technological advancements, global market integration, and the rise of alternative assets such as private equity, real estate, and cryptocurrencies.

With the markets expanding “Technology Investment” is the key for all Custodians. The custody service industry is actively leveraging technology to enhance efficiency, with a focus on automating and standardizing core custody

services and operations that play pivotal roles in propelling the growth. There is a big focus on Application Programming Interfaces (API's), and flexible micro services-based tech architecture to ensure that the connectivity between the offshore clients and the custodians in India improved significantly. The incorporation of this technology is poised to be a significant growth in this market. Key trends shaping the industry include the adoption of artificial intelligence (AI) and cloud computing to improve efficiency and scalability. Furthermore, Environmental, Social, and Governance (ESG) considerations are becoming increasingly integral to investment strategies, influencing the sector's evolution. eMACH.ai Custody is poised to support the growth of the country's asset management industry, crafting tailored solutions to deliver the business's requirements.

The Intellect Difference: Next-Generation eMACH.ai Custody Solutions:

With a nearly 20-year legacy in Custodial expertise, we have established ourselves as a premier Custodial Solutions provider, boasting a rich history of trust and reliability. Our Custody Solution journey began in 2005, and we have expanded our footprint across 7 countries, including serving six Indian custodians for over a decade. Our product offers a unique blend of

cutting-edge technology, deep domain expertise, and personalized services that set us highly apart. With a proven track record of successfully managing Complex custody operations for leading Financial Institutions, we have established ourselves as a trusted partner for custody services.

Core Value Drivers:



Asset Protection:

Security measures to protect your valued assets and prevent potential breach.



Operational Efficiency:

Streamlined processes and automated workflows to enhance productivity, reduce manual errors and increase overall efficiency.



Cloud-Native and API-Led:

Built on the iTurmeric cloud-native platform, the platform offers robust scalability and agility, with 120 APIs enabling seamless connectivity and enhanced customer experiences.



Flexible Billing Engine:

Exhaustive, rule-driven engine allows dynamic tariff structures, enhancing financial operations and client satisfaction.



Scalable Architecture:

The platform's composable architecture allows for seamless integration and customization, enabling custodians to adapt quickly to market changes and regulatory requirements.



Regulatory compliance:

Our Custody platform is designed to cater over 100+ functionalities aligned with country-specific regulations and global standards, ensuring comprehensive compliance.



Real-Time Visibility:

Personalized real-time client web dashboards for transactions and positions improving client servicing capabilities and retention ratio.



Customizable Solutions:

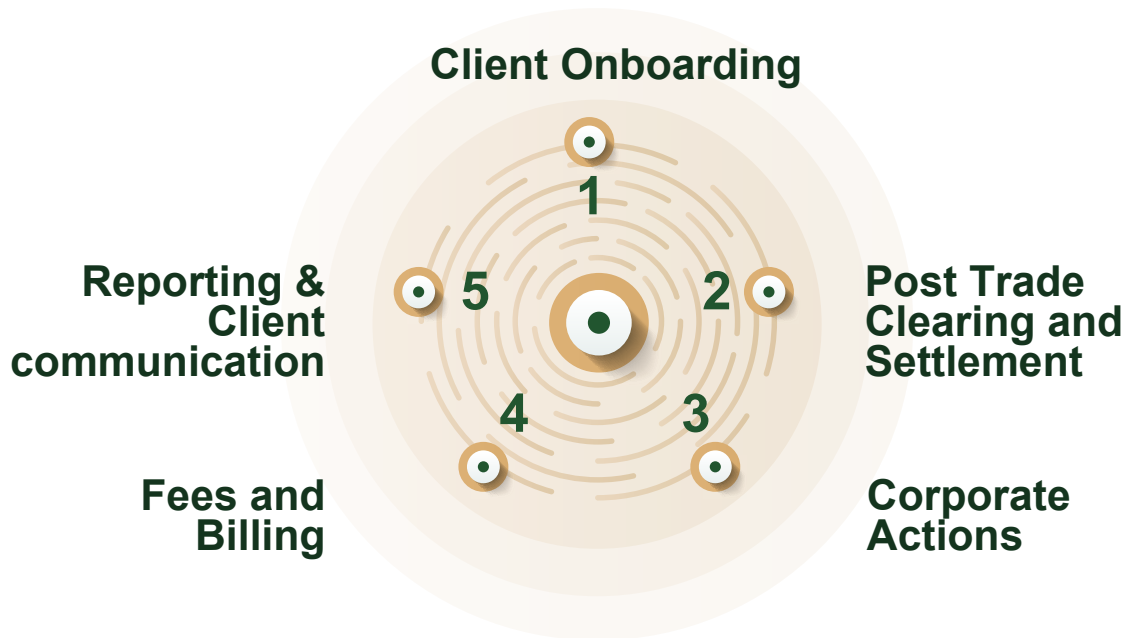
Tailored configurations and personalized workflows to address unique business needs, ensuring a bespoke experience.



Cost-Effective:

Highly customized fee schedules for each client improving the client onboarding ratio by 20% yearly

End-to-End Custody Life Cycle Management



Technology Advancement: Architecture and infrastructure

eMACH.ai Custody leverages technology to provide a robust, scalable, and secure platform for custody operations. The solution is built on eMACH.ai, the Scalable and Flexible architecture, that helps custodians excel by addressing the dynamic challenges inherent in the financial industry – from managing increasing transaction volumes with the evolving settlement cycles, to providing instant insights and visibility into trade status, enhancing your system’s operational performance.

The architecture boosts a robust and proven design, underpinned by cutting-edge functionalities:

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Event-driven Architecture, for responsive interactions

Microservices Design, for modular flexibility

API-first approach, for seamless integration

Cloud-native foundation, for scalability

Headless, architecture for adaptability

Artificial Intelligence embedded for enhanced decision making

By leveraging the expertise of <https://emach.ai/> you can tap into its specific components. Depending on the requirements for your Custody Solutions – be it the complete need of an end-to-end Custody suite or the need of only any specific module for example: our advanced matching engine module as a standalone solution, you have the flexibility to enhance your existing infrastructure.

eMACH.ai architecture helps you move from “Current Landscape” → “Ideal Horizon”

Current Landscape

→

Ideal Horizon

Manual Process

→

Hyper Automated Operations

Limited Transparency

→

Real-Time Visibility

Inefficient Communication

→

Seamless Omni-Channel Collaboration

High Risk of Errors

→

Zero-Touch Compliance

Inability to Scale with Growing Demands

→

Scale using Cloud-Based Infrastructure

Scalability and flexibility

eMACH.ai Custody is built to adapt to your growing needs. Our platform's scalable architecture ensures seamless performance, even as your assets and transaction volumes increase. Built on a microservices based architecture leveraging cloud-native technologies, eMACH.ai Custody adapts to changing regulatory requirements, and evolves to meet your unique business needs. With its flexible and modular

design, our platform utilizes containerization and orchestration tools like Docker and Kubernetes to ensure high availability, fault tolerance and efficient resource utilization. Whether you're expanding your operations or navigating market fluctuations, eMACH.ai Custody provides a robust and agile foundation for your Custody Services, ensuring you stay ahead in a rapidly changing landscape.

Integration capabilities

eMACH.ai Custody seamlessly integrates with your existing ecosystem, connecting disparate systems and streamlining workflows. Our platform's API-led architecture enables effortless connectivity with various systems, applications and services, including core banking systems, trading platforms and market data providers. With support for

industry standard protocols and messaging format, eMACH.ai Custody ensures frictionless data exchange and workflow automation, maximizing efficiency and minimizing errors. Whether its real-time transaction update forms integration capabilities ensure a unified and harmonized custody ecosystem.

Product Essence

- Multi - Asset, Multi-Currency, Multi - Depository, MultiLingual
- Automated and Real time Settlement with Global Depository
- Omnibus Account Maintenance
- Exhaustive Rule driven Flexible Billing Engine
- Robust Recon Engine with Internal System

Embedding AI through Purple Fabric in Custody:

As we gaze into the future of Custody Solutions, we envision the seamless integration of Purple Fabric, our self-service generative AI platform. The Enterprise Grade Platform harnessing the power of AI is designed and democratized for subject matter experts, enabling them to quickly build and deploy end-to-end AI solutions, without the requirement of technical expertise or coding knowledge.

This synergy will unlock:

- Unprecedented Efficiencies
- Risk Management capabilities
- Client Insights

By embedding Purple Fabric's advanced AI capabilities into the custody platform, together it can revolutionize the securities services landscape, enabling predictive analytics, automated workflows for example, in Custody's matching engine module, and data-driven decision making. This forward thinking approach will not only enhance Custody Solutions but also will set a new standard for innovation in the industry

Navigating the Custody Challenges:

The Custody Industry faces incoming challenges in safeguarding assets, managing risk, and meeting regulatory requirements. As financial institutions navigate complex global markets, they require solutions that ensure security, transparency, and efficiency. To address these obstacles, Intellect Design Arena has established itself as a preeminent player in the Custody Industry, with its flagship product eMACH.ai Custody, providing through this platform innovative solutions and investing in digital transformation, advance analyzing and strategic partnerships to deliver future proof custody services. With a Global Presence developed by our experts that have an extensive knowledge and experience in:

- Securities processing and custody operations
- Cross-border transactions and multi-market support
- Regulatory requirements and compliance (e.g., SWIFT, ISO 15022)
- Financial messaging and communication protocols (e.g., SWIFT)
- Integration with various asset classes (e.g. equities , debts, mutual fun




Product Implementation:

At Intellect Design Arena, we understand the importance of a seamless implementation process and ongoing support for our clients. Our experienced team ensures a smooth transition to eMACH.ai Custody with:

- Project management and planning
- Configuration and customization
- Data migration and integration
- Testing and quality assurance
- Training and go-live support

Our implementation and support services ensure minimal disruption to your operations, allowing you to quickly realize the benefits of eMACH.ai Custody.

eMACH.ai Custody transforms cross-border custody operations with efficient, secure, and scalable solutions. Leveraging cutting-edge technology and industry expertise, we help your business succeed in a changing financial landscape. Experience the future of custody operations with eMACH.ai Custody.



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