Mehmet Yanilmaz delivers solutions to capital markets, business strategy, finance, technology, IP and commercial litigation, and beyond. He creates impact by bringing clarity and sanity to complexity.

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Enhancing corporate performance with tokenization

The business logic for enterprise-wide resource planning #ERP, material resource planning #MRP, and supervisory control and data acquisition #SCADA has been implemented in the form of either relational database-driven or process-driven systems since their genesis during the 1980s.

Over the decades, neither SAP's process-driven approach to ERP nor Oracle's database-driven approach to ERP have changed much, irrespective of their migrations to the cloud or other technology enhancements. They both require intensive reengineering of their clients' processes to implement their ERP solutions. The clients' businesses are retooled at substantial costs to fit into these ERP paradigms' molds, rather than the other way around. Adapting to this level of invasive conformity is the price one has to pay to benefit from the cookie-cutter process efficiencies that these paradigms are designed to deliver.

These two competing legacy ERP paradigms have remained largely unaffected by the proliferation of object technologies since the 1990s. Their captive install bases continue to generate substantial revenues for the likes of SAP and Oracle.

In contrast to these straitjacket paradigms, Navus provides the means to deploy bespoke ERP solutions that are highly adaptable to each client's operational characteristics. Navus' solution is derived from generic technology tools that extend object technologies to #tokenization and #blockchains.

The crux of the technical rationale for Navus' solution line is the recognition that blockchains are distributed object classes that are augmented with object methods for concurrency and synchronization, and that tokens are derived classes from these aggregate classes.

The casting of blockchains in this straightforward fashion leads to the simplification of the capture of ERP/MRP/SCADA processes, and to their synergistic management, with the added benefit of improved process efficiencies and enterprise-wide effectiveness.

Navus' approach doesn't require any replacements of legacy ERP. The adaptability, agility, customizability and modularity of Navus' solutions for corporate systems provide for rapid deployment of localized enhancements across legacy ERP deployments using straightforward interfaces.

Furthermore, the level of process granularity that is inherently achieved via scalable tokenization with Navus' approach increases available touchpoints for business processes to

interface with external financing sources. This leads to highly localized allocation, tracking, and efficient utilization of operational capital across the enterprise.

Further, lean capital utilization is enhanced by the ability to deploy locally activity-based costing and throughput accounting for each process as distributed methods. While each process is optimized locally, the effectiveness of corporate systems throughout the enterprise is sustained cohesively across the ERP's blockchain.

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