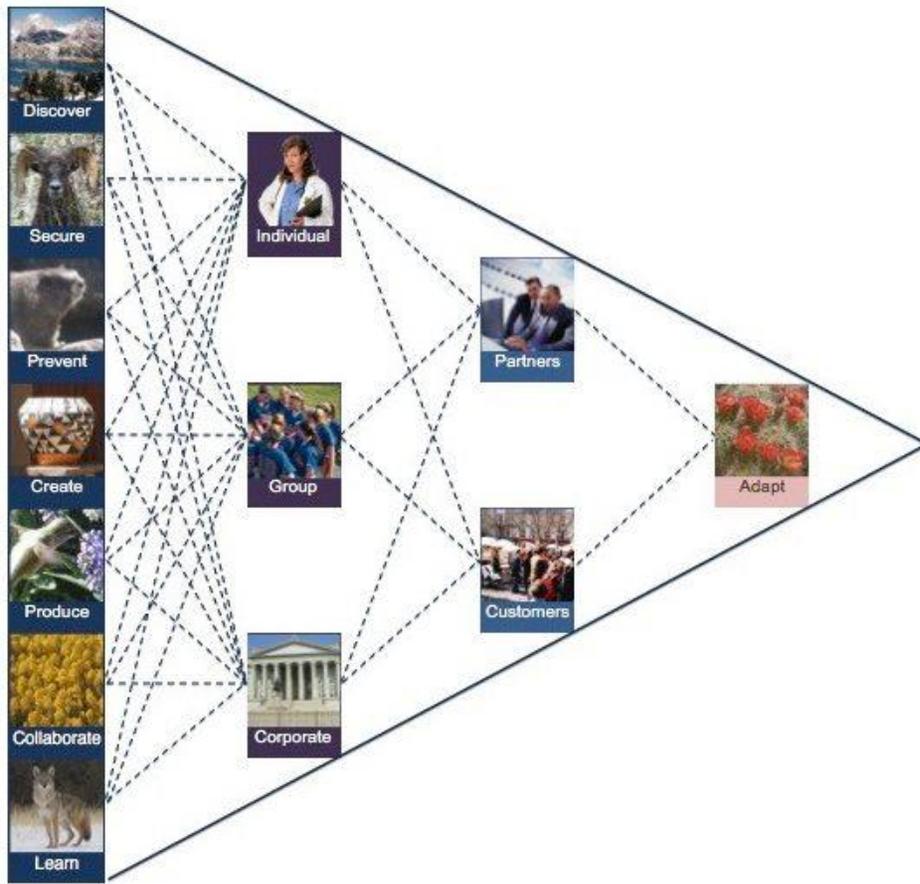


Metamorphic Transformation With Enterprise-wide AI Systems



Powered by the KYield OS: A Distributed Artificial Intelligence Operating System

Introduction from our Founder and CEO

We've come a long way since I first conceived KYield in 1997. In 2020, we are still leading the way with integrity. Although the technology has surpassed expectations, very few organizations are applying it optimally. Each major crisis since has reinforced the need for our systems. For example, although artificial intelligence (AI) is applied in the current COVID-19 pandemic for filtering patients at hospitals and to accelerate vaccines, calls for a functional early warning system to prevent pandemics have been ignored for many years.

Whether in the public or private sector, proactively embracing evidence-based systems is a must. Our flagship product, the KYield OS, is a universal system that provides governance, security, prevention, and enhanced productivity tailored to each entity. The laws of physics require such a precision system to be installed before essential functions can be run efficiently on a continuous basis. It simply can't be done otherwise. The pay-off from the KYield OS can include a combination of double-digit productivity increases, acceleration of breakthroughs, and/or prevention of crises, ranging from minor everyday events to existential or systemic risks. Data ownership and control remains with the customer. The KYield OS represents the new higher bar.

Until recently, consulting firms were advising clients to start slow with AI in small machine learning projects, learn as they go, and then expand gradually. That advice has been proven wrong. A small group of companies went bold in AI systems, resulting in a rapidly expanding competitive gap between their companies and competitors, increasingly including their customers. The option of building custom AI systems is prohibitively expensive, highly redundant, and over two decades behind. System design is critically important for cost efficiency and effectiveness. We were self-funded and free from incumbent conflicts or short-term investor interests, resulting in a powerful, unique system. Waiting for commoditized big tech is self-destructive as it provides increased costs without a competitive advantage.

Our newest invention is the synthetic genius machine (SGM), which is based on modeling the most powerful supercomputers to date in the form of the proven human geniuses. The system captures genius features from published works and then converts to our proprietary language for compression and encryption before synthesizing for proactive or reactive queries. Synthetic geniuses can include the great scientists, physicians, generals, CEOs, entrepreneurs, engineers, artists, or the everyday genius moments found in all organizations, though are rarely captured. The system can be targeted towards a single specialty within a discipline or across disciplines. I believe the SGM provides the shortest path to super intelligence for defined purposes. The SGM and KYield OS can be installed independently or together, and can be integrated with leading tech stacks.

In September of 2019 I presented our work for the first time at the [ExperienceITNM conference](#). The title of the talk was 'Metamorphic Transformation with Enterprise-wide Artificial Intelligence'. We hired [a local firm to record the presentation](#), which is a good way to learn more about our AI systems R&D. We also offer personal conferences for senior management and boards tailored to their organization. If your team would like to set up a presentation, conference, or webinar, please send me an email.

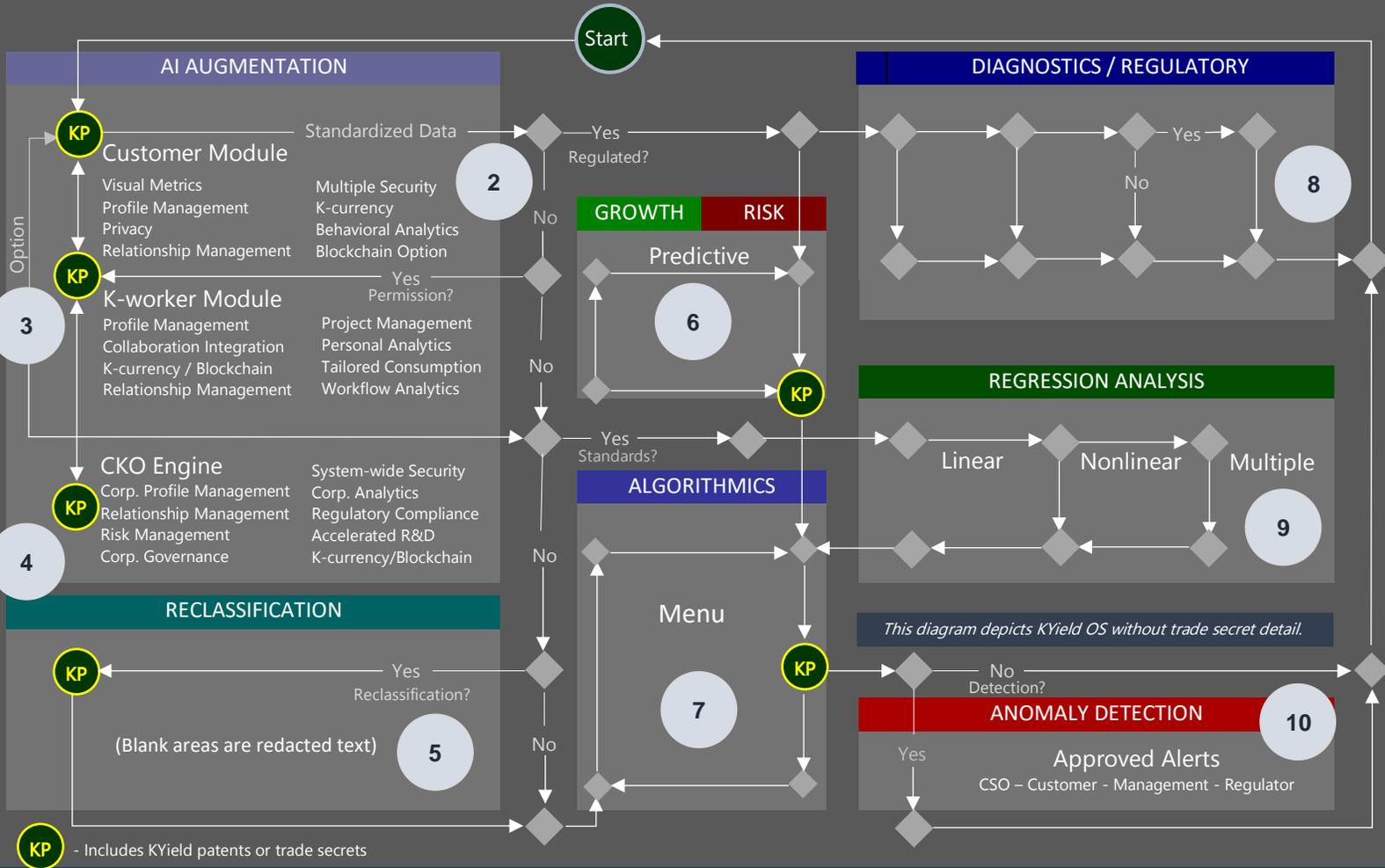
Sincerely,

Mark Montgomery
Founder & CEO
KYield, Inc.
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<https://kyield.com/>



KYield OS

Continuously Adaptive Learning Organization (CALO)



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- 1** Diagram depicts the KYield OS for an executable learning organization that continuously adapts.

The patented modular AI system can be extended to partners, providing more trustworthy, productive ecosystems, and new business opportunities.

Individual modules offer enhanced productivity, security and prevention with simple natural language admin.

The CKO Engine is the admin tool for the KYield OS enabling approved staff to configure governance, security, productivity, reporting and compliance.

A process for reclassification of data structure is provided for optimal efficiency. Upon installation, the KYield OS propagates data throughout the network, which is reoptimized for AI functions.
- 6** The individual modules are prescriptive to needs. Predictive analytics are provided for specific tasks.

The CKO Engine admin manages the menu of algorithms and access. Automating algorithmics can reduce inefficiencies and inaccuracies common in one-off ML and analytics projects.

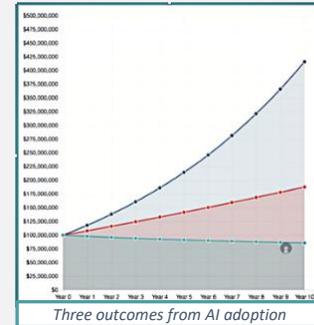
A diagnostics function is applied prior to regulatory reporting for industry-specific risk management, crisis prevention and improved compliance.

Regression analysis is performed to bring automation efficiency to common statistical processes.

Anomaly detection is a priority function that is fully integrated into the KYield OS and requires execution to optimize prevention.

KYield OS

The KYield operating system is based on the mathematical theorem ‘yield management of knowledge’, conceived by KYield’s founder in 1997. The KYield OS provides optimal network management at the confluence of human and machine intelligence. The patented AI system core is fully adaptive and tailored to the unique profiles of each entity with a simple natural language interface. Among many benefits of the KYield OS include data optimization at a scale far beyond the ability of humans alone, system-wide governance, proprietary security, crisis prevention, improved productivity, and continuous learning. Data ownership and control remain with customers unless required by law or per mutual agreement.



The CKO Engine

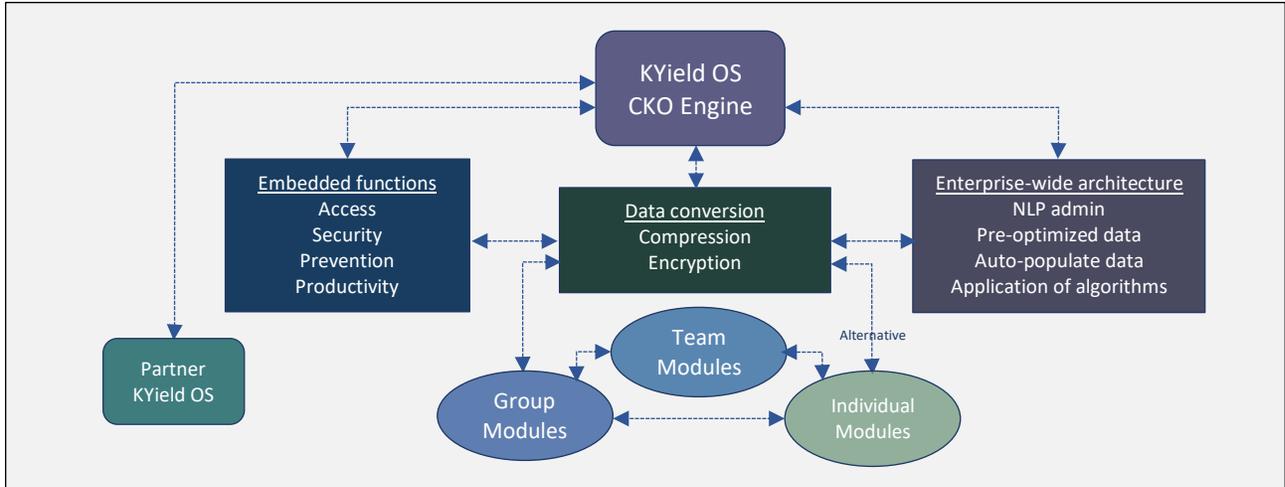
The CKO Engine provides rules-based governance for the entire distributed network including regulatory compliance, access, and security. Each module in the system includes semi-automated controls in a simple to use natural language interface. The CKO Engine acts as the brains for the distributed KYield OS neural network, and includes a rules-based process that enables the entire organization to self-manage their digital work environment within corporate parameters, legal compliance, ethical guidelines, and mission of the organization.

The Group Module

The Group Module (GM) serves as the administrative tool for business groups, large teams, and partners. It serves as a light version of the CKO Engine for business units, agencies, or departments. The GM enables large groups to customize their data consumption, workflow, communications, and business intelligence to the specific needs of the unit or team. It also allows business unit managers to manage networked relationships internally and externally, refine human performance metrics, employ algorithms and ratios within the parameters set by the CKO Engine, and comply with regional regulatory, language, and culture requirements. The module can adapt continuously as necessary within the parameters set by the CKO Engine and can be administered by operations managers with minimal training. The Group Module is designed to provide the business unit with the adaptive data management needed to optimize and leverage data analytics and workflow to maintain competitiveness and achieve goals.

Individual Module (K-worker)

The Individual Module is the most important component of the KYield OS as organizations are dependent upon individuals for every aspect of their operations. Although most of the value to organizations is generated by teams and individuals, some IT systems are designed to exploit individuals rather than empower, resulting in counterproductive behavior. Each individual in the KYield OS is provided more advanced functionality at higher performance levels than any known system. This can be achieved due to a combination of the rich semantic intelligence in the KYield OS, algorithmic functionality of the CKO Engine, and how the modules and applications interact in a synthesized manner within the system architecture. The individual modules are transparent and worthy of trust, revealing the type of algorithms used, and for what purpose.



Deliverables and Timeline

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
Planning Phase												
CKO Engine	█											
Infrastructure	█											
Teaming & Tasking												
Develop & Integrate		█	█									
Security & Governance			█									
Pilot Phase												
Individual Modules				█	█	█						
Group Modules					█	█	█					
CKO Engine							█					
Expansion Phase												
Business Units								█	█	█		
Supply Chain									█	█	█	
Partners										█	█	█
Customers											█	█

KYield Genesis: Metamorphic Transformation

Planning Phase

The planning process involves meetings, workshops, and certification of the CKO Engine. The individual modules require no training other than a video tutorial for the few who need it.

Teaming & Tasking

Depending on capabilities, integration can be executed internally, with third party contractors, or by KYield.

Pilot Phase

The pilot process begins in business units identified during planning to demonstrate high priority functionality in the KYield OS. The duration will vary depending on size of the organization, regulations, and interoperability with pre-existing systems.

Expansion Phase

Once the pilot phase is completed, the KYield OS can be expanded. Although the KYield OS works well for business units, we highly recommend installing across the organization. Critical functions physically require enterprise-wide operations.

Budget & Pricing Options				
Customers				
KYield OS	CKO Engine	Group Module	Team Module	Individual Module
Annual Enterprise License ¹				
First 100,000 (Includes one CKO Engine)	Up to 100,000 (Each additional)	Up to 100,000 employees each	Up to 50 employees each	One for each individual
Volume Discounts ² (Annual)				
10,000-20,000	\$125,000	\$25,000	\$500	\$200
20,000-30,000	\$115,000	\$20,000	\$400	\$180
30,000-40,000	\$105,000	\$15,000	\$300	\$160
50,000-100,000	\$75,000	\$12,000	\$200	\$125
100,000-250,000	\$40,000	\$9,000	\$150	\$100
250,000 and above	\$25,000	\$7,000	\$125	\$75
				
Synthetic Genius Machine	Each Genius	Each Discipline	Cross-Disciplines (2)	Serendipity
Independent Install ³	\$1+ million	\$1+ million	\$2+ million	\$1+ million
Annual enterprise license - negotiated				
Partners				
Extensions	Incentives	Flexibility		
Partners	Tailored	Hybrid Cloud		✓
Supply Chain	Tailored	On-premises		✓
Customers	Tailored	Unused Seat Rebates		✓
		Dedicated Tech Support		✓
Important considerations:				
1. One CKO Engine is required for each organization or business unit with a maximum of 10,000 employees or individual modules, including extension to smart sensors and robots. Initial install is tailored and negotiable.				
2. Incentives can be in the form of rebates or discounts for customers.				
3. Although KYield's systems begin learning immediately upon installation, a dedicated team of top-tier engineers and scientists are required to monitor and improve. The systems must be installed and monitored with precision.				
4. The initial development, integration, and installs are capital intensive, which is one reason KYield seeks long-term customers and partners. Another reason is our culture favors long-term mutually beneficial relationships.				

¹ Prices are provided for example purposes only. The actual cost will depend on many issues including current IT and network configuration.

² We offer volume incentives and share scale efficiencies for large organizations to encourage enterprise-wide installation. Research has shown strong benefits of inclusion across the organization for risk management, productivity, security, and continuous learning.

³ Pricing reflects basic synthetic genius machine install. Many additional options can be negotiated.



Tina Gibson, CPA. Interim CFO. Tina Gibson has been certified as a public accountant in Arizona, Colorado and New Mexico. Tina holds a Bachelor of Science in Business Administration degree from the University of Arizona and is currently licensed as a CPA in New Mexico.

Tina began her accounting career as a Senior Auditor for Ehrhardt, Keefe, Steiner and Hottman CPA's in Denver, Colorado. After serving two and a half years in public accounting, Tina relocated to Arizona in September 1999 where she worked for Rockford Corporation to help the car stereo manufacturer through an IPO. Tina was then recruited to Total Systems Services where she worked as the Director of Finance from March 2001 to May 2006. Tina was recruited again in May 2006 to build a new accounting department for Early Warning Services which was divesting from its parent company First Data. She remained at Early Warning Services until August 2011 after which she accepted a new role with ProNet Solutions as Controller from September 2011 to May 2012.

Prior to starting her own business and accounting consulting practice in April 2018, Tina served as the Director of Accounting for Meow Wolf, an art collective startup that turned into a for-profit B Corporation. In that roll, Tina built out the accounting department for the company including, among other things, systems implementation. Before joining Meow Wolf, Tina served as the CFO for a late-stage start-up manufacturing company, Growstone, Inc., where she worked with venture capital firms to finance growth and operations.



Vice-Admiral James P. "Phil" Wisecup (Ret.) is a member of the KYield board of directors.

Phil graduated from the U.S. Naval Academy in 1977. In 2008 he became the 52nd President of the US Naval War College and left active duty in 2013 as the Inspector General of the US Navy having successfully completed 36 years of active service and three operational commands at sea, including the USS Ronald Reagan carrier strike group. He was also Director of the White House situation room, served at NATO Headquarters during Kosovo operations, and in Seoul Korea as Commander of US Naval forces. He is the recipient of the Bronze Star, as well as a variety of unit and personal awards, including the Cheonsu Medal from the President of the Republic of Korea for exceptional service. He was awarded the Vice Admiral James Stockdale award for inspirational leadership, which is a peer award.

Phil has Masters Degrees from the University of Strasbourg France, and University of Southern California. Phil recently completed three years as Director, Chief of Naval Operations Strategic Studies Group, where he received the Navy Superior Civilian Service Award for leading innovative research on future deployment patterns, Navy talent management, human/machine teaming and artificial intelligence. Phil is currently the Vice Chancellor for Strategy and Strategic Engagement in the North Dakota University System in Bismarck, North Dakota.



Dr. Robert E. Neilson is a member of the KYield board of directors.

Robert Neilson was the Knowledge Management Advisor to the Army's Chief Knowledge Officer and Chief Information Officer. Formerly, he was the Chief Knowledge Officer (CKO), department chair and a professor at the Information Resources Management College (now iCollege), National Defense University. He has taught and lectured both in the U.S. and internationally including the Argentine War College, NATO Defense College, Italian Institute for Defense Studies, and in Asia and Australia.

Robert has been a consultant with Computer Associates, DigitalNet, BAE, Brookings Institute, World Bank and federal agencies and has been a featured speaker at CIO and KM conferences domestically and internationally. He was named to the Federal 100 in 2010. His futuristic scenarios have been featured in "The Futurist".