




THE SOLID LIQUID GAS
ONE PLATFORM
STRATEGY

FOR THE FOOD INDUSTRY

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The evolution of computing architecture brings us now to the precipice of Digital Transformation 5.0, also known as Platform Oriented Architecture.

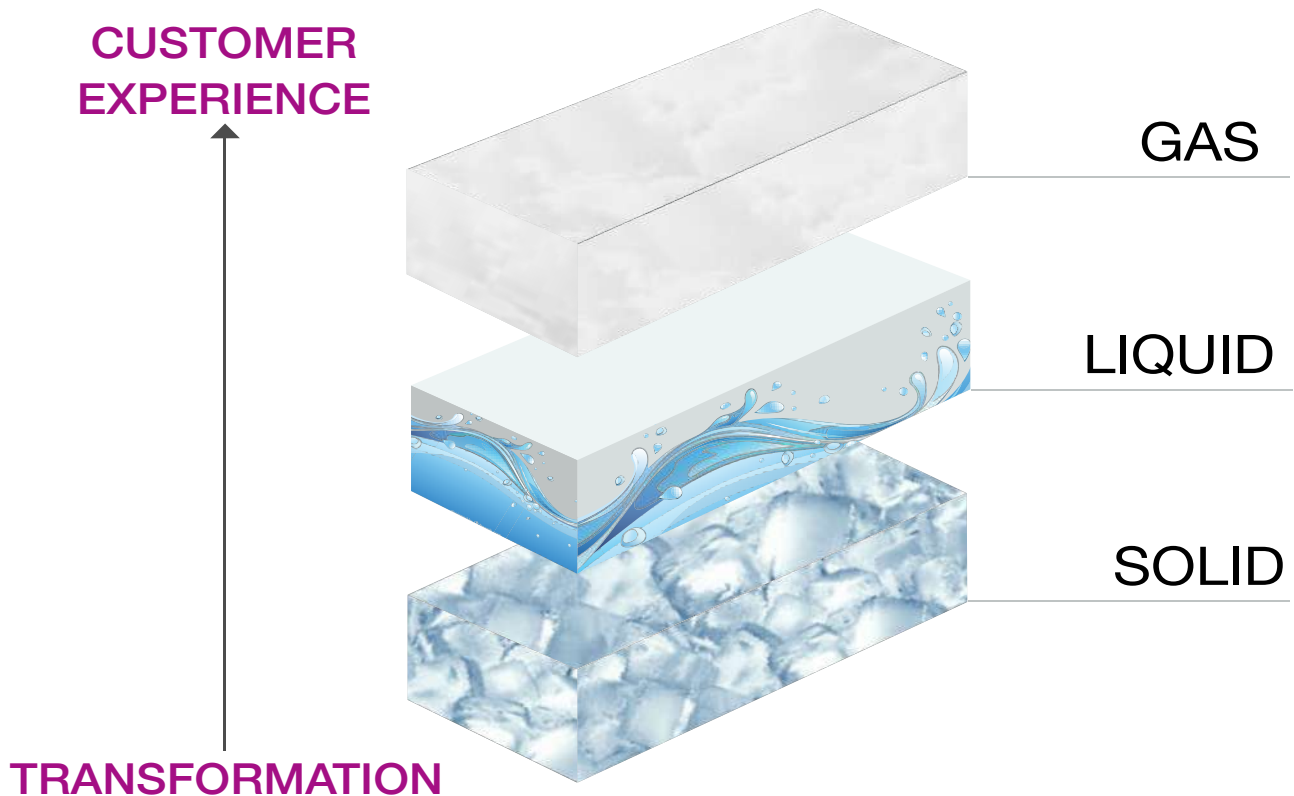
Through Mainframe (1.0) and Client/Server Architecture (2.0) to Distributed (3.0) and Service Oriented Architecture (4.0), new technologies & processes propelled dramatic shifts in how data and logic interact to create customer experiences.

This whitepaper aims to give executives, functional business leaders, Chief Digital Officers, Chief Information Officers and Chief Technology Officers in the insurance industry an introduction to the construction and applications of the SLG "One Platform" Strategy - in a manner that adds clarity to a vast array of digital business processes.

DIGITAL TRANSFORMATION 5.0

PLATFORM-ORIENTED ARCHITECTURE

Like all earlier computing architectures, the SLG platform is a “box” comprised of three states of matter –solid, liquid, and gas— that work together to enable digital transformation. The features of each layer are described below.



SOLID

DATA LAYER

With a data structure comprised of big data, this element includes both data science and intelligent data; today we call this machine learning.

LIQUID

LOGIC LAYER

Between the solid and liquid layers, there is a “data handshake,” wherein robots (RPA), AI, automation, SaaS apps, DevOps, chatbots and other smart software retrieve information from an ocean of intelligent data. This handshake is necessary to translate the raw data so it can be interpreted by applications to create an experience for a specific medium.

GAS

PRESENTATION/ EXPERIENCE LAYER

The information translated by the logic is molded by the applications to take the form of whatever container you put them in, much like gaseous matter. Now, what was once solid, formless data can be interpreted by the software of its container and displayed on phones, tablets, desktop computers, smart watches, IoT devices, the cloud, virtual reality, augmented reality and more.



BUILDING SLG FOR THE FOOD INDUSTRY

IT LANDSCAPE



The presence of Information technology is varied in the Food Management & Food Services industries. Companies use a multitude of software applications, cloud-based and hardware to support their business operations in this ever-growing industry of the food management. FMCs and Food Service companies use technology platforms to manage various operations like, Production Management, Menu & Recipes Management, Nutrition, USDA or other government compliances, Order, Purchasing & Inventory, Workflow management, Vendor Management, & Product Management, Finance, etc. These software and hardware applications often operate in silo i.e. they do not communicate with each other with no digital traceability of interconnected operations. The data collected by such applications is unstructured ergo leading to redundancies, operational inaccuracies, and loss of valuable data. Furthermore, these applications are not easy to use due the nature of complex business functions and lack of software automation.

KEY CHALLENGES

Creating a cohesive food management solution that assimilates the operations of enterprise resource planning, finance and production onto a single platform. The user experience is extremely crucial as the workforce demographic in food industry is not necessarily tech-savvy and it becomes quintessential for the application usability to be minimal & simple to use whilst limiting the complexities in the logic and data layer.

The information presented should be tailored to user profile to increase user engagement. The Dieticians & Nutritionists, Food Services Directors, Chefs, Warehouse managers, field operators require crucial information about their departments to ensure operational success, reduce the margin of errors, and be compliant with the governing laws.

By creating/ implementing a holistic IT architecture that automates workflows of food management, provides digital tractability of day to day operations, will empower the food manager & food services companies in scaling up their business, comply with governing laws, support increasing customer demands, and take accurate data-backed decisions to improve their businesses.

Solution:

A cloud-hosted SaaS based food Management ERP with a multi-tenancy architecture based on the SLG “One Platform” approach that provides a 365 degree view of the food management operations in real-time.



SOLID

Analytics & Insights

LIQUID

Operational Workflow Logic

GAS

Holistic Experience

Assess, Respond, and Deliver

- Assess your assets (in data form) from years past to today. How much has your data evolved? How much has your logic evolved? What experiences evolved?
- Respond to business change in an agile manner. Create a new product backlog.
- Deliver through the new architecture.

Look at what customers are asking. Understand what new business is demanding from the market. Then fast track the process to create the experience. The new architecture will work if your people and culture embrace the agile, rapid delivery mindset. This is the essence of Digital Transformation 5.0.

What is CulinarySuite

CulinarySuite Food Management Software is a comprehensive, mobile-enabled, modular and SaaS-based ERP (Enterprise Resource Planning) solution to automate Foodservice Businesses. With modules for Foodservice, Nutrition and Front Office Management, the system seamlessly connects your supply chain with the front and back office. Its primary functions include Recipe, Product and Vendor Management, Menu Planning, Nutritional Analysis, Allergen & Ingredient Tracking, Inventory Management, Revenue Management, Procurement Process and Production Record Generation.



MENU



RECIPE



NUTRITION



INVENTORY



PURCHASE



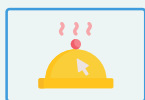
REVENUE



ACCOUNTS



SUPPLIER



ORDER
ENTRY



COMPLIANCE



INTEGRATION



DASHBOARD
& ANALYTICS

Contact us today!

[FulcrumDigital.com/contact-us](https://fulcrumdigital.com/contact-us)

info@fulcrumdigital.com | +1 201-523-7555

When you're ready to begin your journey to Digital Transformation 5.0, Fulcrum Digital can help. See [below](#) learn more about our digital services.

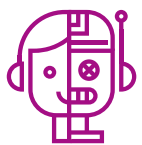
SPEAK WITH A SPECIALIST

info@fulcrumdigital.com



Digital Acceleration Strategy Assessment

Are your business processes in tune with the fast-moving technology landscape? How agile is your business process to the changing market needs? Fulcrum's [team of](#) consultants will work with you to review your current IT landscape and build a roadmap for your next generation enterprise architecture.



Transformational Managed Services

Our comprehensive, economical and trusted framework for managed services covers the scope of management, pricing models, governance and reporting mechanisms, along with delivery confirmation. The backbone of your organization should be an agile, efficient and cost-effective technological infrastructure, helping you focus on delivering an improved bottom-line while keeping your support system intact.



Digital Platform Services

~~We understand there are two critical aspects of business; one, ensure your clients are satisfied and secondly, ensure your business users are equipped with the right analytics to make informed decisions.~~ The former can be provided by studying the customer journeys and creating the user interfaces that are easy to use and the latter can be achieved by a robust BI solution. To sum it [all](#) automation is a crux of our execution be it RPA or automation during project execution.



Digital Transformation Industry Platforms

Get a head start to your digital transformation journey with our domain accelerators (domain specific, packaged solutions). Through our [expertise](#) we have built templates for specific domains. If your business is related to Higher Education, Supply Chain, Food Industry or E-Commerce, we have something to accelerate your journey into digital transformation for your business.



Learn more at
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