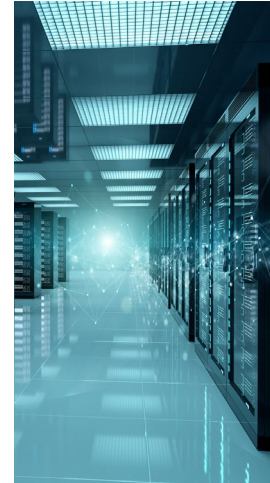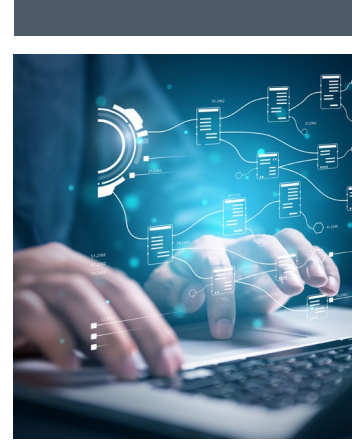# *Computing Rearchitected*

MindAptiv, Inc.
June 2025

After 7 decades, first principles thinking

- Essence® redefines the relationship between human intent and machine execution. Unlike AI-assisted coding tools or no-code platforms that sit on top of legacy architectures, Essence generates **ephemeral, self-optimizing machine instructions** directly from natural input using a patented system of *meaning coordinates*. This enables developers—or even non-technical users—to build, adapt, and deploy software without writing code or relying on interpreters. It's not a productivity tool—it's a new instruction layer. Backed by proven IP and a team with deep systems expertise, Essence offers a scalable foundation for future computing, from edge devices to cloud fleets.

Problems in Code-based Computing

The Problems in AI

- AI guesses; it doesn't understand.

- AI is compute heavy and inefficient.

- AI lacks transparency, making trust difficult.

- AI struggles with real-time collaboration.

These limitations slow down real progress in industries that require precision and adaptability, and intent-driven interaction.

The Problems in Development

- Tech Stack bloat with dependencies

- Can lack clear data flow and error handling

- Takes up gross amounts of time and expense.

- Data structure management overhead

- Rigid execution paths

3

A Deep Tech Solution

Innovate! ✦ Empower! ✦ Control! ✦ Trust! are Essence's Values

Essence's meaning-based execution and machine behavior algorithms create a computing model that is precise, adaptive, and inherently verifiable. Unlike traditional computing, which relies on rigid instructions and manual debugging, Essence ensures trust through deterministic execution, verifiable unique identification, and real-time adaptability.

The system **adapts dynamically** without relying on guesswork or fragile dependencies.

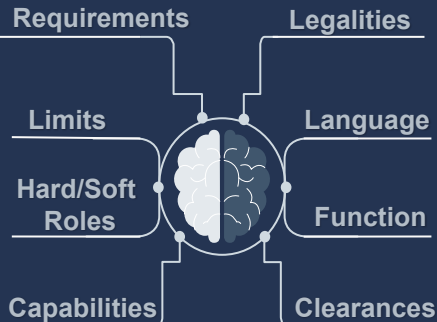Unlike opaque software systems, Essence provides a fully **transparent and verifiable** logic flow.

Unlike AI, which can reinforce errors, Essence maintains **computational accuracy without bias**.

LENS –Defined *L*evels of Granularity

Experience

k**N**owledge

Specificity

Requirements · Legalities

Limits · Language

Hard/Soft Roles · Function

Capabilities · Clearances

Experience
From Novice to Elite techie, the user can tailor their Level of Create by expressing expertise and perspective. This maximizes all ranges in the talent pool by expanding creation and eliminating constriction.

KNowledge
Essence adapts to the creator's base of development background; whether the frame of reference is team, project, company, individual or frivolous experimentation.

Specificity
Elimination of constrictions from code-based development expands the opportunity to quickly get to detail or permutation in short order.

5

Use Cases

ERP Simpified

Enterprise Resource Planning without the Software complexity.
- Unified operational data
- Real-time decision making
- Seamless Vendor Onboarding

Dynamic FinTech

Banking & Financial Services
- Real-time compliance
- Unified risk management software
- Instant audit readiness

Adaptive Retail

Retail and E Commerce Benefit from
- Adaptive Customer Experiences
- Sychronized inventory
- Seamless Fulfillment

No Data Silos

Healthcare & Medical systems dynamically unified
- Patient data resolved
- Auto HIPAA compliance
- Real-time dynamic treatment optimization

Infrastructure

Government and Smart Cities have unified networks, and systems.
- Dynamically resolves inputs
- Self-healing infrastructure
- Privace-first design

Human Collab

AI-free collaboration without IT barriers.
- Coordinated collaboration tools
- Dynamic workflows
- Cross-company knowledge sharing

Four examples of shifts

Infrastructure Revolution
Ephemeral Computing

Code that exists only when needed, executes optimally, then disappears forever.

Tech Solution
The Last Software Ecosystem You'll Ever Need

Upgrade your entire development stack with the simplified Essence workflow.

Deep Tech Paradigm Shift
Beyond Programming Languages

First fundamental advancement in human-computer interaction since the 1950s.

AI Solution
AI Without Barriers

Domain experts build sophisticated AI systems directly from their expertise, no coding required.

Revenue Streams

Purchased products

Once downloaded, Essence has myriads of opportunities to expand what is possible in terms of enhancements and add-ons.

Licensing arrangements

Unique use-case requirements with media companies,contractors and government agencies provide packaged and licensed opportunites.
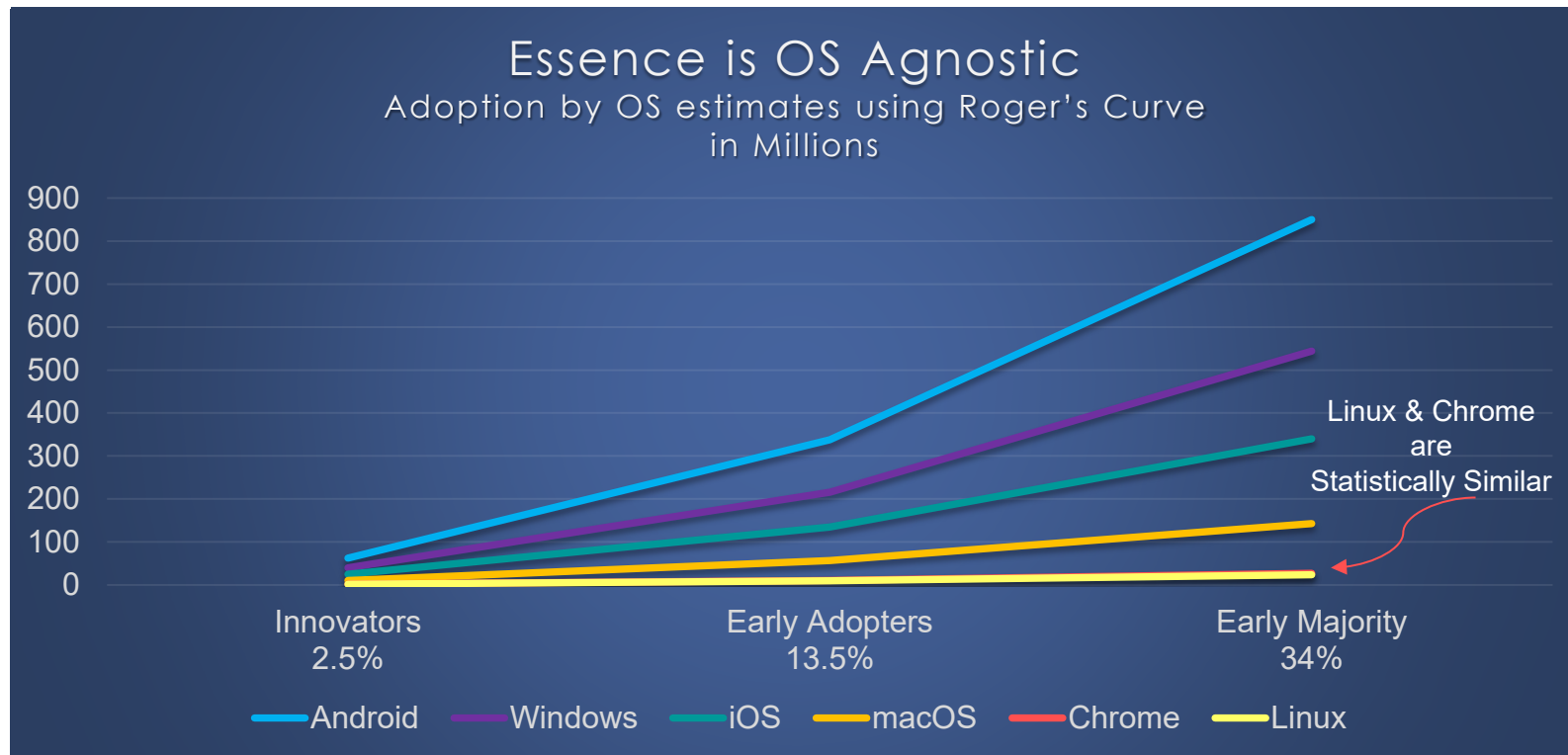
% of marketplace transactions

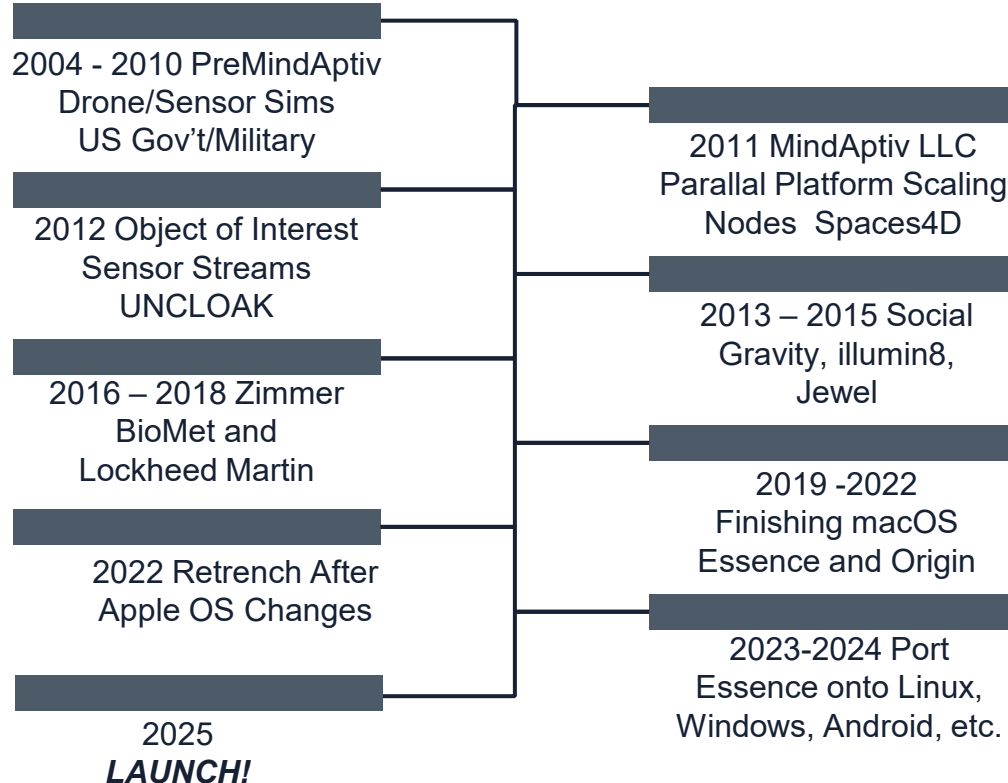What is created can also be used in trade. Unique permissions allow makers to submit products to the marketplace where 3% of each transaction is achieved.

Essence adoption scenario by OS

Essence is OS Agnostic
Adoption by OS estimates using Roger's Curve in Millions

Linux & Chrome are Statistically Similar

Innovators 2.5% — Early Adopters 13.5% — Early Majority 34%

Android · Windows · iOS · macOS · Chrome · Linux

14 years in development and validation

2004 - 2010 PreMindAptiv
Drone/Sensor Sims
US Gov't/Military

2011 MindAptiv LLC
Parallal Platform Scaling
Nodes Spaces4D

2012 Object of Interest
Sensor Streams
UNCLOAK

2013 – 2015 Social
Gravity, illumin8,
Jewel

2016 – 2018 Zimmer
BioMet and
Lockheed Martin

2019 -2022
Finishing macOS
Essence and Origin

2022 Retrench After
Apple OS Changes

2023-2024 Port
Essence onto Linux,
Windows, Android, etc.

2025
LAUNCH!

US Patents
10027592B2
10846821B2
11373272B2

100+ Years Experience

Kenneth Granville
CEO

Signal and Satellite Intel, Systems Engineering, Program Management for Complex Projects, Advanced Simulation, Technical Advisor
USAF, Lockheed Martin, Titan Comm. L-3 Comm, InVism, MindAptiv

Jacob Kolb, V
CSO

Signal, 6D Manipulation Device, Various Types of Simulation, Gaming Dev, System Integration, Various Neural Networks
NASA Lincoln Project, Sony, WhatIf, InVism, MindAptiv

Julie Melville
CMO

Analog Telecom, Early Accounting and Lumber/Store Computing, Finance, Print & Digital Marketing, Augmented Reality, Sustainability.
Dataline, Coach U, CoachVille, Entrepreneur, MindAptiv Masters in Sustainability

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