Imagination to Realization

unisys

Agenda

01   About Unisys

02   Enterprise Computing Solutions

03   Advanced Data Analytics

04   Artificial Intelligence

05   Quantum Computing

Vivek Gupta
Global Vice President, ECS Application Services

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About Unisys

We drive breakthroughs

Our top 50 clients on average have been with us for more than 20 years

~230 financial institutions globally depend on Unisys every day

8 out of 10 of the world's top ranked* airlines are Unisys clients

Unisys

We are…

~16K	2K+	~50
Associates	Engineers	Partners

Supporting…

800+	50+	~11M
Clients	Countries	End-Users

With…

~$2B	80%+	>90%
Total Revenue	Recurring Revenue	Renewal Rate

What we do

Our clients rely on us to solve many of their most complex business and technology challenges to unlock faster growth and operational efficiency
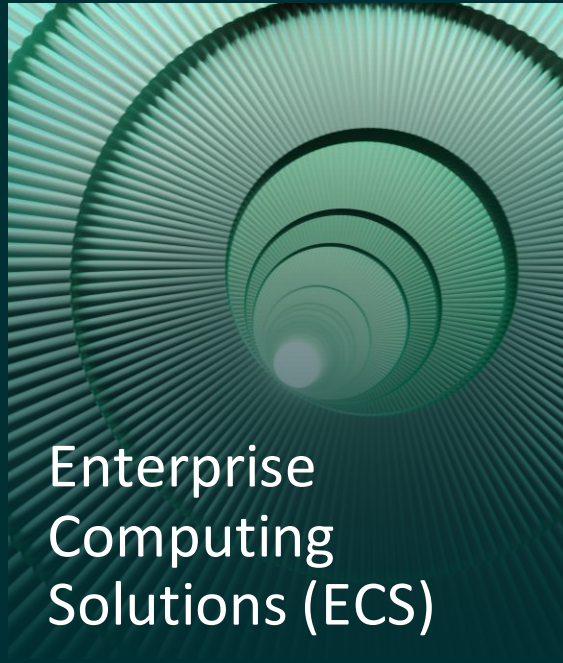
Cloud Applications & Infrastructure Solutions (CA&I)

Redefine what's possible. We design, build, deploy, and manage proven cloud, applications, and infrastructure solutions that keep our clients moving forward while staying compliant and secure

Digital Workplace Solutions (DWS)

The workplace is in constant motion. We help organizations create breakthrough employee experiences across devices and platforms as the workplace changes and evolves

Enterprise Computing Solutions (ECS)

Technology is at the heart of opportunity. We enable organizations to embrace innovation with high-intensity computing platforms and specialized industry solutions

Business Process Solutions (BPS)

Rethink how work gets done. We apply domain-specific expertise to fuel productivity through intelligent solutions that revolutionize our clients' business processes

Driving outcomes across the client's entire business

Leveraging data and analytics, generative AI, and advanced computing to drive outcomes despite rising complexity, regulation, talent gaps, and technology debt

innovate faster

maximize productivity

retain talent

transact quicker

comply with regulation

grow revenue

optimize workforce

reduce emissions

improve satisfaction

secure data

collaborate better

hire faster

Increase utilization

minimize costs

increase ROI

minimize downtime

Enterprise Computing Solutions

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ECS by the numbers

2,100+
Associates

1,200+
Engineers

75%+
Top L&S accounts
increasing workloads

5,000+
Organizations
Supported**

43
Countries*

9.0
CSAT Score
(2022)

* Unisys ECS deployments
** includes direct sale, resale, and hosted providers

Enterprise Computing Solutions (ECS) At-A-Glance
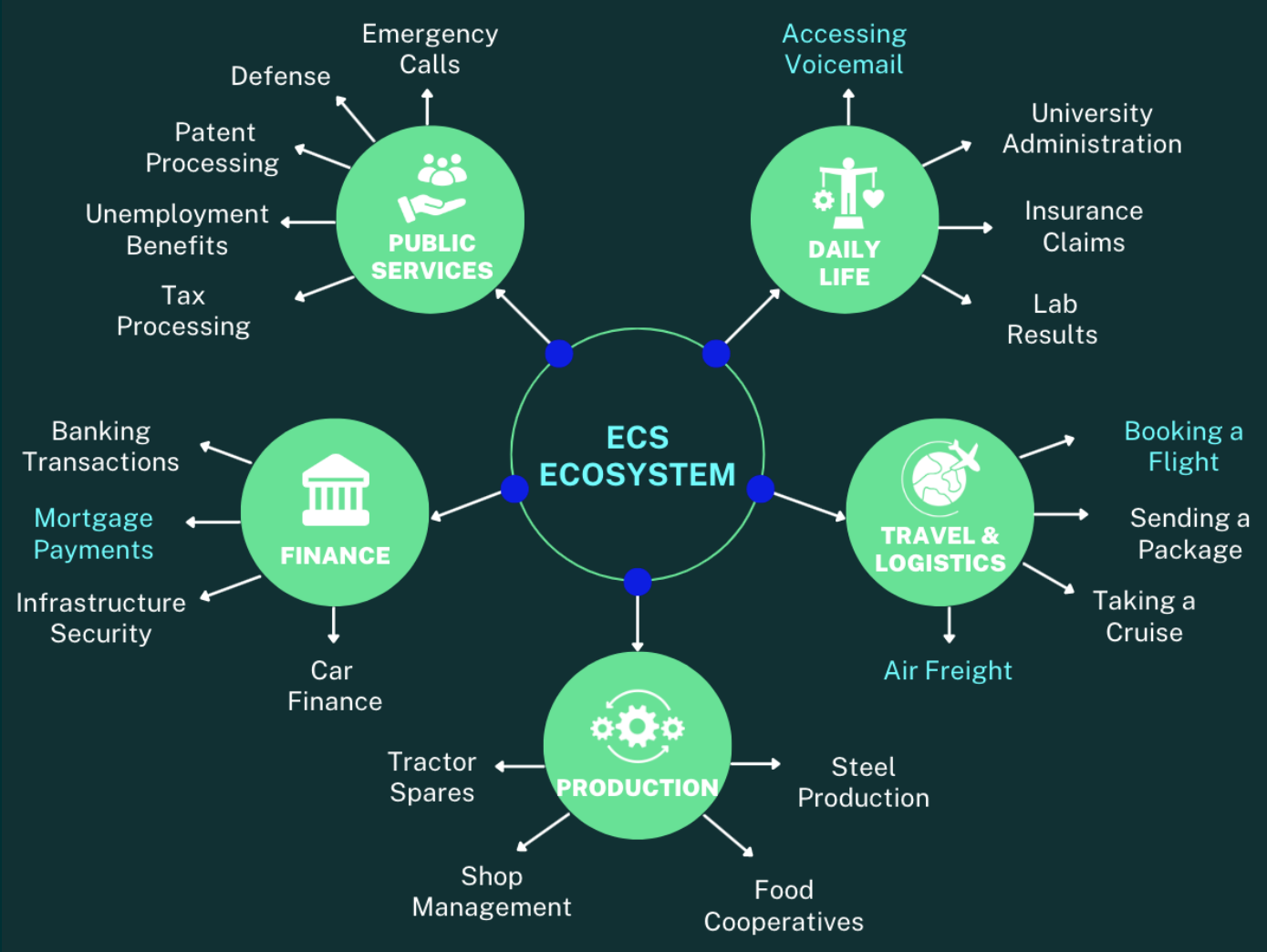
ClearPath Forward

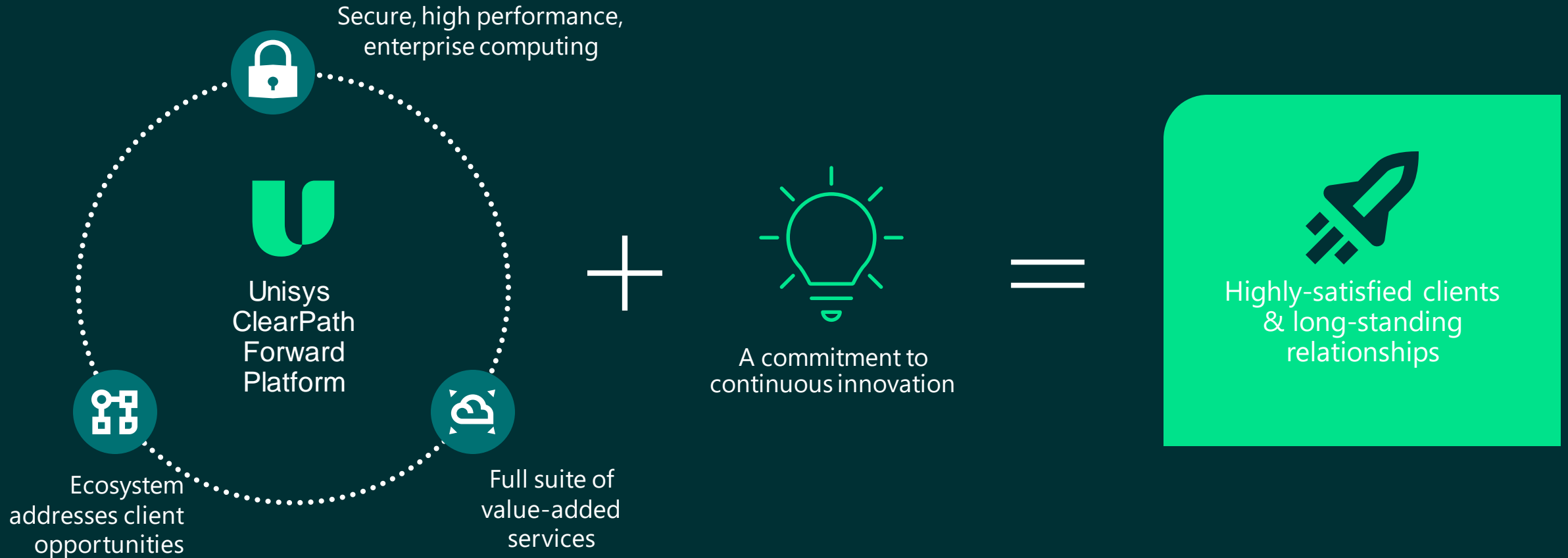**Services Expansion**

Next-Gen Compute

Industry Solutions

Enterprise Computing Solutions (ECS) in daily life

ECS ECOSYSTEM

PUBLIC SERVICES
- Emergency Calls
- Defense
- Patent Processing
- Unemployment Benefits
- Tax Processing

DAILY LIFE
- Accessing Voicemail
- University Administration
- Insurance Claims
- Lab Results

FINANCE
- Banking Transactions
- Mortgage Payments
- Infrastructure Security
- Car Finance

TRAVEL & LOGISTICS
- Booking a Flight
- Sending a Package
- Taking a Cruise
- Air Freight

PRODUCTION
- Tractor Spares
- Steel Production
- Shop Management
- Food Cooperatives

Why clients choose ClearPath Forward again and again

Secure, high performance, enterprise computing

Unisys
ClearPath
Forward
Platform

Ecosystem addresses client opportunities

Full suite of value-added services

+

A commitment to continuous innovation

=

Highly-satisfied clients & long-standing relationships

Driving value for clients

Protecting business-critical workloads

Offering application and infrastructure managed services

Providing scalable industry solutions

Embracing emerging technologies – advanced data analytics, artificial intelligence & quantum computing

What is Data Analytics

"Data analytics is converting raw data into business ready data which has actionable insights"

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Helping clients harness their data, wherever they are on their journey

Data is the foundation for growth, innovation, and driving business outcomes

CPF-Based Managed Services

Ecosystem Modernization

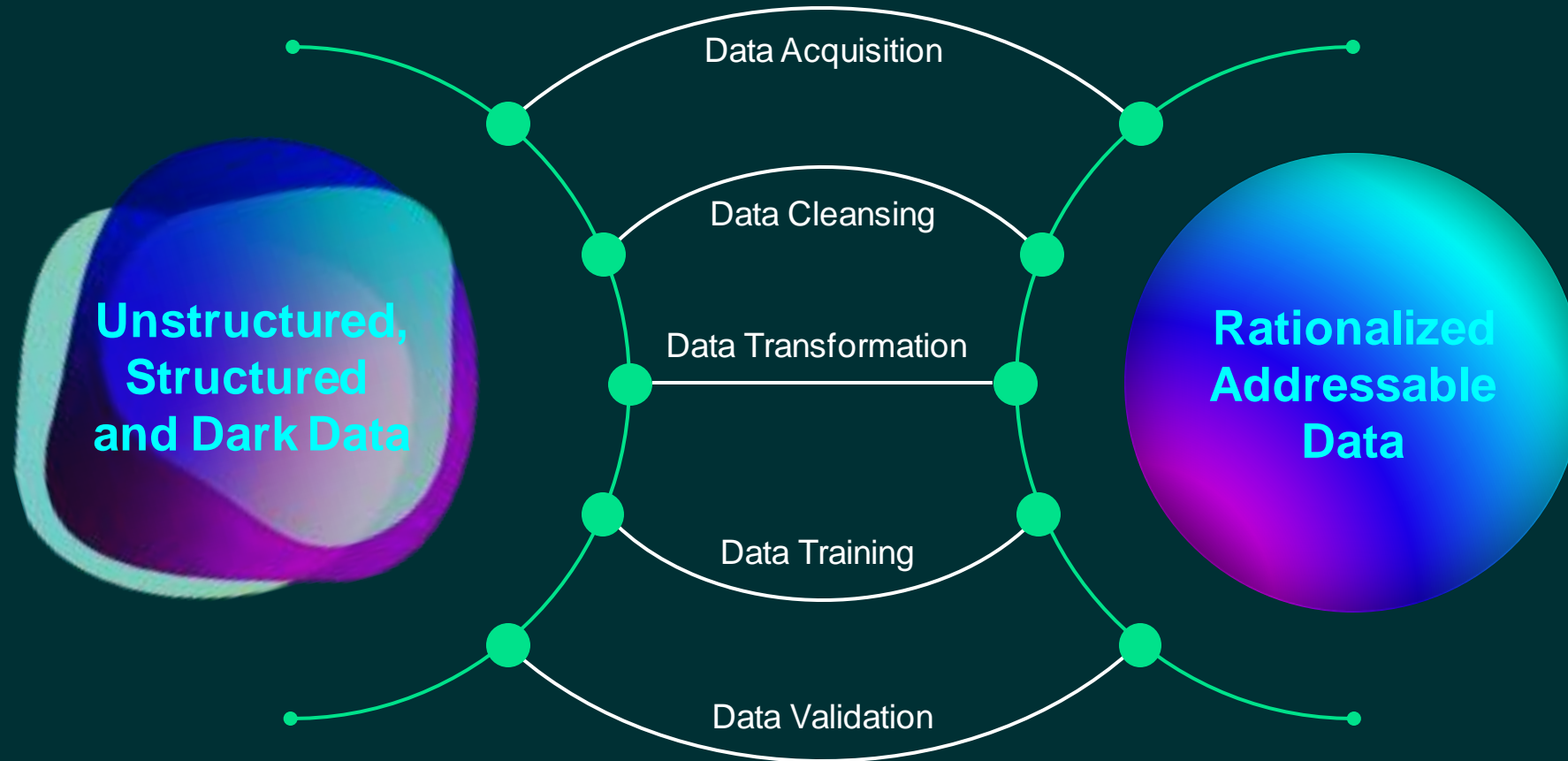**Next Gen Compute Research**

Travel & Transportation Solutions

Financial Services Solutions
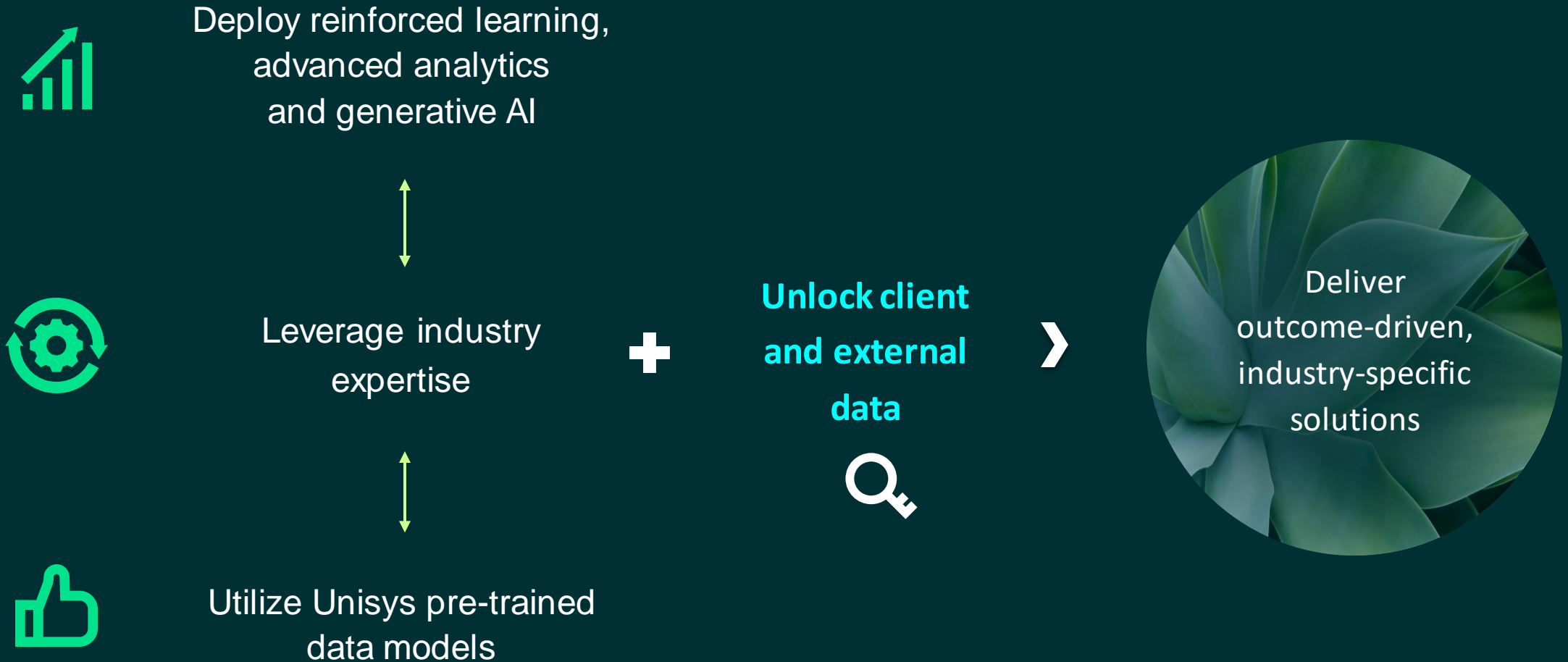
Unisys Logistics Optimization

Unlocking client and external data through Data Analytics

Unstructured, Structured and Dark Data

Data Acquisition

Data Cleansing

Data Transformation

Data Training

Data Validation

Rationalized Addressable Data

Dark data is the information assets organizations collect, process and store during regular business activities, but generally fail to use for other purposes (for example, analytics, business relationships and direct monetizing). Similar to dark matter in physics, dark data often comprises most organizations' universe of information assets. Thus, organizations often retain dark data for compliance purposes only. Storing and securing data typically incurs more expense (and sometimes greater risk) than value. [source – Gartner]

Evolving platform solutions to outcome-driven applications

Deploy reinforced learning,
advanced analytics
and generative AI

Leverage industry
expertise

**Unlock client
and external
data**

Deliver
outcome-driven,
industry-specific
solutions

Utilize Unisys pre-trained
data models

What is Artificial Intelligence

"Artificial Intelligence is the ability of machines to make decisions based on the combination of software computation, robust data, and automation"
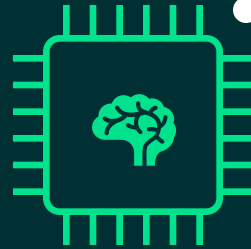
Evolution of Artificial Intelligence

1

Hi, I'm ANI. I'm **here to help you**

Artificial Narrow Intelligence (ANI)

Traditional AI to perform Predefined tasks. Example – Fraud Detection.

2

Hi, I'm AGI I'm still a **theoretical concept**

Artificial General Intelligence (AGI)

Theoretical Concept - AI with human-level of cognitive function across a wide variety of domains. Example – Manage Vacation

3

Hi, I'm ASI I exist in **sci-fi movies only**

Artificial Super Intelligence (ASI)

Hypothetical Sci-Fi – AI having machine consciousness surpassing humans. Example – Manage Life
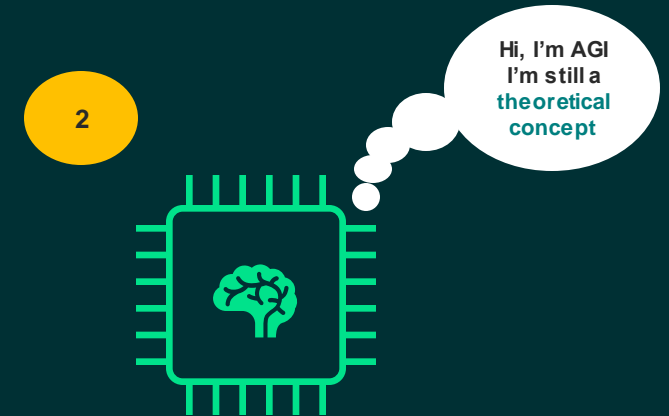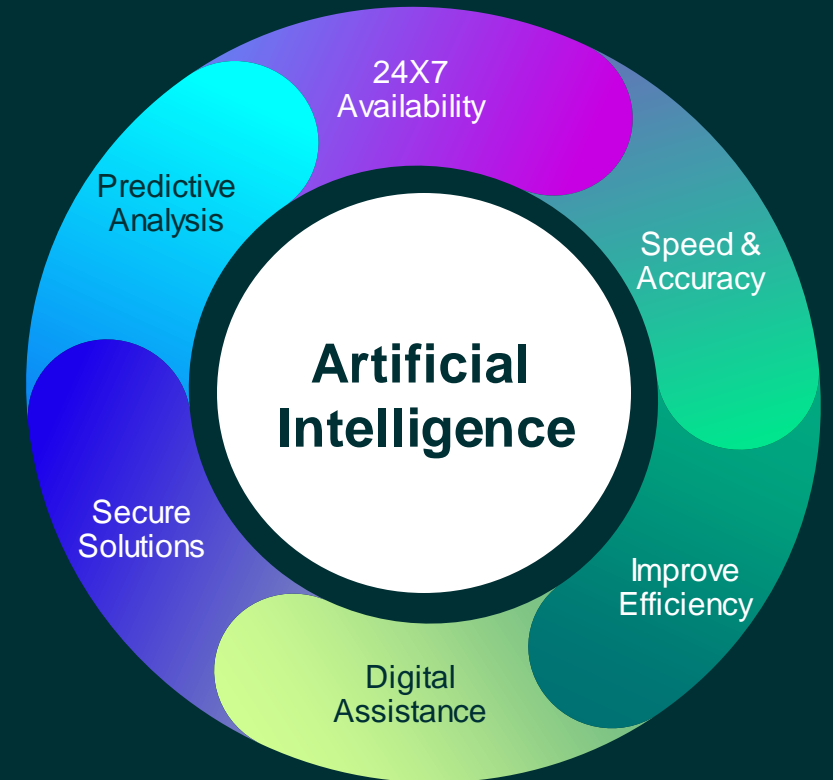
Emergence of Generative Artificial Intelligence

1

Hi, I'm ANI. I'm **here to help you**

Artificial Narrow Intelligence (ANI)

1.5

Hi, I'm Gen AI. I'm the **new buzz**

Generative Artificial Intelligence(Gen AI)

2

Hi, I'm AGI I'm still a **theoretical concept**

Artificial General Intelligence (AGI)

Traditional AI to perform Predefined tasks. Example – Fraud Detection

Generate new content based on the ingested training data.
Example – Recommend Vacation interactively

Theoretical Concept - AI with human-level of cognitive function across a wide variety of domains. Example – Manage Vacation

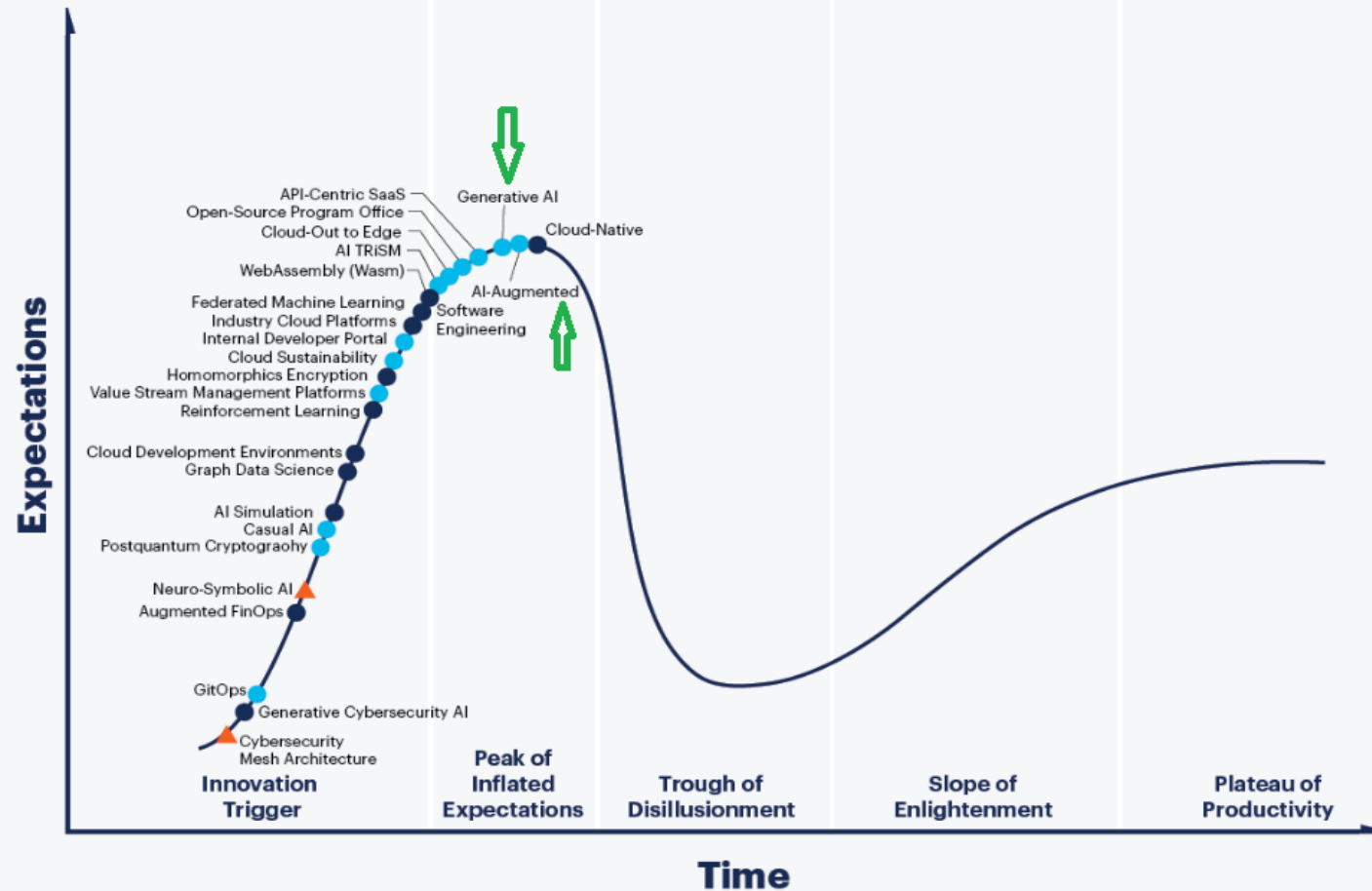## Generative AI is a progression towards AGI

Benefits of Artificial Intelligence

Organizations can exponentially enhance their business value and retain the competitive edge by harnessing the power of AI

24X7 Availability

Speed & Accuracy

Improve Efficiency

Digital Assistance

Secure Solutions

Predictive Analysis

Artificial Intelligence

AI on Top of all Emerging Technologies

Hype Cycle for Emerging Technologies, 2023

AI is at the peak of hype cycle
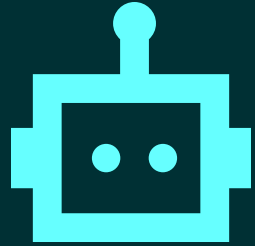
Early adopters have advantage

Triggers more innovations

Strengthening Capabilities across Unisys using AI

Optimize Mortgage Under-Writing

Match signatures against character recognition engines

Risk based Financial Fraud Detection

Dynamic Pricing for real time business

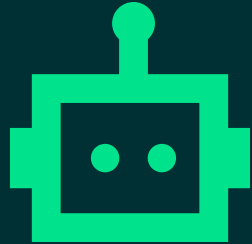Environmental, Social & Governance efficacy management

Data Analytics and Artificial Intelligence

Artificial Intelligence in ECS Apps

Biometric (Facial) Authentication in Core Banking and Teller

AI in New Solutions (Digital Bank - Fraud Detection)

Automated Interactive Support System

Smart Search and Interactive Assistance

Generative AI in New Solutions (Cargo Portal Service - Booking)

Traditional AI

Generative AI

Business Outcomes through Data, Automation, & Artificial Intelligence

Time Tested At-Scale Industry Solutions

---Banking and Financial Services---

Transportation

800M
Mortgage Desktop*

600M
Branch Teller*

500M
Core Banking API*

500M
Cargo*

Growth

We can help you grow your business

*Annual transactions

What is Quantum Computing

"Quantum computers harness the unique behavior of quantum physics—such as superposition, entanglement, and quantum interference and apply it to computing. This introduces new concepts to traditional programming methods".
[source – Microsoft]

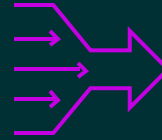Quantum computing includes both hardware and software

What makes Quantum Computing <u>exponentially</u> faster?

1 Quantum Bit

Both 0 and 1

Quantum Superposition

Optimized way of finding single best solution

Quantum Tunneling

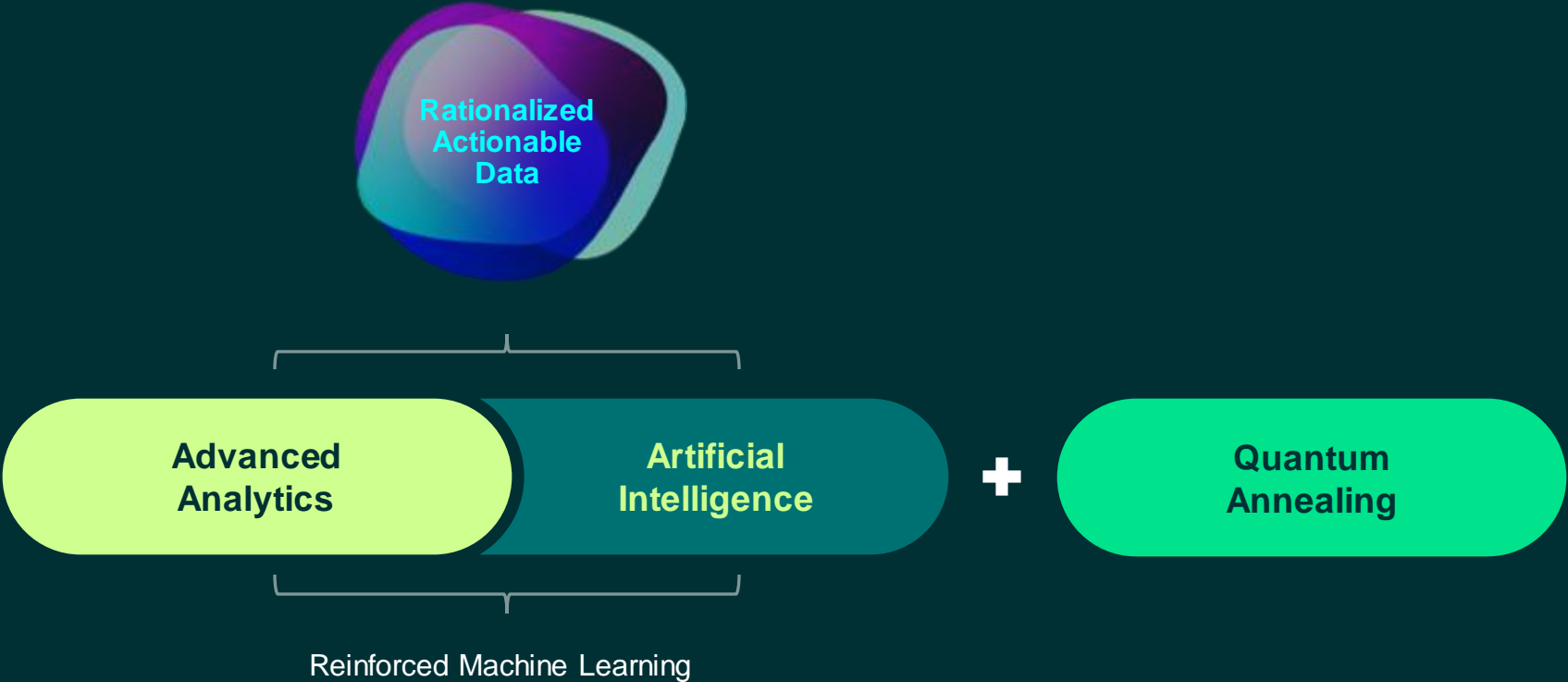Pairs of Qubits correlated with each other

Quantum Entanglement

Google's Quantum Computer is about 158 million times faster than the world's fastest supercomputer

What is Quantum Annealing

"Quantum annealing is a quantum computing method used to find the optimal solution of problems involving a large number of solutions" [source – AIMultiple]

Solving next-level business problems

Quantum annealing, advanced analytics and AI

Rationalized Actionable Data

| **Advanced Analytics** | **Artificial Intelligence** | **+** | **Quantum Annealing** |

Reinforced Machine Learning

Creating next-level business outcomes

Traditional Computational Tools

7 Years

vs.

Pre-trained Models
powered by quantum annealing

7 Seconds

Let's elevate what's possible

Demo

Questions?

Thank you

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