



The Next Era of Enterprise AI

The Enterprise AI Roadmap Every Business Leader Needs



SECURITY

BUILDING TRUST.
PROTECTING
WHAT MATTERS.



DATA

OPEN DATA.
BETTER DECISIONS.
STRONGER FUTURES.



INNOVATION

ACCELERATING
BREAKTHROUGHS AND
DIGITAL TRANSFORMATION.



PEOPLE

EMPOWERING TEAMS.
BUILDING SKILLS.
DRIVING ADOPTION.



IMPACT

DRIVING EFFICIENCY.
UNLOCKING GROWTH.
CREATING VALUE.



Presenter: John McGiffin – Natural Velocity CEO & Co-Founder

GLOBAL AI MARKET SIZE



AI is expected to be worth
\$22.17 trillion
to the global economy by 2030.



For Australia, digital innovations
including AI could cumulatively
contribute **\$315 billion** to the
Australian Economy by 2030.



TRANSFORMING INDUSTRIES

Enhancing productivity
across every sector.



DRIVING INNOVATION

Accelerating breakthroughs
and digital transformation.



CREATING NEW OPPORTUNITIES

Enabling entrepreneurs
and future-ready jobs.



HELPING SCIENTISTS CURE DISEASE

Helping scientists more rapidly
develop new drugs to cure disease.



UNLOCKING ECONOMIC GROWTH

Driving investment and
long-term prosperity.



Source: Department of the Prime Minister and Cabinet

AUSTRALIA'S AI PARADOX

According to Melbourne University and KPMG, Australia is **9th last globally for Enterprise AI adoption.**



BUT WE EXCEL AT USING CHATGPT AND CLAUDE.

We lead in the use of Frontier Models...
but we're not translating it into enterprise transformation.



HIGH CONSUMPTION OF FRONTIER MODELS

Australians enthusiastically use tools like ChatGPT and Claude.



LOW ENTERPRISE ADOPTION

Few organisations are embedding AI into core business processes.



VALUE GAP

Usage without integration creates limited ROI and no competitive advantage.



THE OPPORTUNITY:
MOVE BEYOND FRONTIER MODELS.
EMBED AI INTO YOUR BUSINESS. CREATE REAL VALUE.

Claude Usage Index vs GDP per Capita, by Country



Data: Anthropic Economic Index, June 2026
Data Visualisation: Behrooz Hassani-Mahmooei



BUILD AI-FIRST PROCESSES

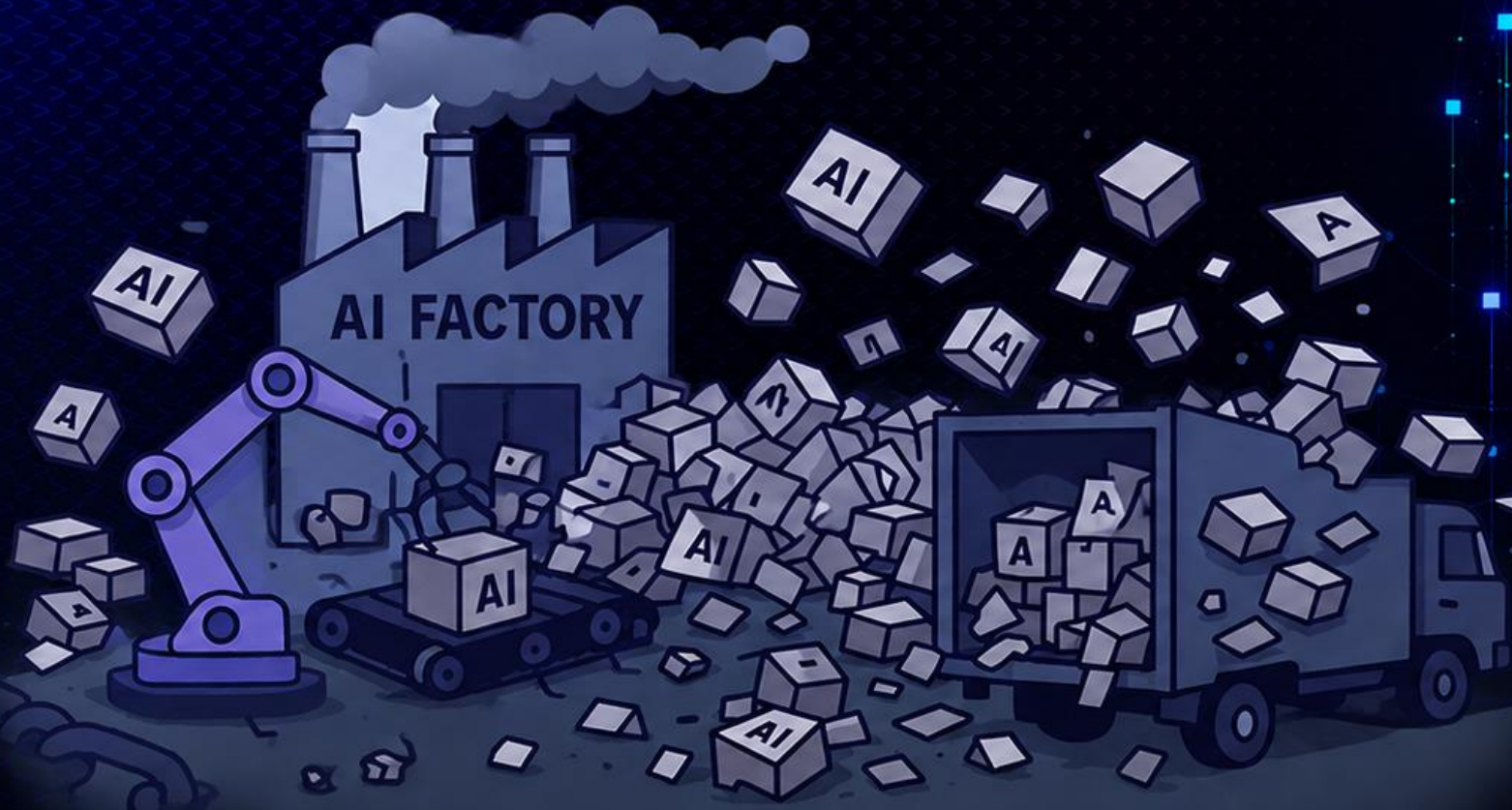


EMPOWER YOUR PEOPLE



DRIVE ENTERPRISE IMPACT

Enterprise AI has a supply chain issue



The Enterprise AI Maturity Model

1

Frontier Tools Exploration Era



- > Employees use AI tools directly
- > High creativity, experimentation
- > Low governance, unclear boundaries

Examples



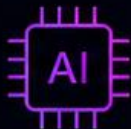
ChatGPT



Claude

2

Embedded AI Productivity Layer



- > AI built into everyday workflows
- > Better security & governance
- > Seamless user experience
- > Enterprise-grade integration

Examples



Microsoft Co-Pilot

3

AI Agents Task-Level Automation



Workflows

- > AI agents execute tasks
- > Defined roles & permissions
- > Cross-system access
- > Human-in-the-loop guardrails

Outcomes

Operational efficiency
Human + AI collaboration

4

System of Record Integration (AI-Native)



- > AI connects core systems
- > Real-time data & action
- > Trusted, contextual insights
- > State-aware & always current

Outcomes

End-to-end visibility
Data-driven operations

5

Agentic AI Autonomous Coordination



Act Autonomously

- > AI agents coordinate with each other
- > Pursue goals & adapt
- > Plan, learn & self-correct
- > Human oversight of intent & risk

Outcomes

Autonomous workflows
Scalable intelligence

6

Autonomous AI Ecosystems Multi-Agent Orchestration



- > Agents collaborate across domains
- > Solve complex problems end-to-end
- > Continuously learn & adapt
- > Operate with minimal human input

Outcomes

Business transformation
Sustainable competitive advantage

The Enterprise AI Maturity Model

Maturity level of most organisations

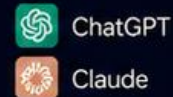
1

Frontier Tools (ChatGPT, Claude) (Exploration Era)



- › Employees use AI tools directly
- › High creativity, experimentation
- › Low governance, unclear boundaries

Examples



Percentage of Business at this stage

45% - 55%

2

Microsoft Copilot / Google Workspace AI (Embedded Productivity Layer)



- › AI built into everyday workflows
- › Better security & governance
- › Seamless user experience
- › Enterprise-grade integration

Examples

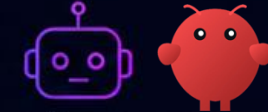


Percentage of Business at this stage

25% - 35%

3

AI Agents (Task-Level Automation)



- › AI agents execute tasks
- › Defined roles & permissions
- › Cross-system access
- › Human-in-the-loop guardrails

Outcomes

Operational efficiency
Human + AI collaboration

Percentage of Business at this stage

10% - 15%

4

System of Record Integration (ERP-Centric AI)



This is the inflection point when AI connects directly to:

- › ERP (SAP, Oracle, Dynamics)
- › CRM
- › Supply Chain Systems
- › Finance Systems
- › HR Systems

Percentage of Business at this stage

3% - 7%

5

Agentic AI (Autonomous Coordination)



- › AI agents coordinate with each other
- › Pursue goals & adapt
- › Plan, learn & self-correct
- › Human oversight of intent & risk

Outcomes

Autonomous workflows
Scalable intelligence

Percentage of Business at this stage

1% - 2%

6

Autonomous AI Ecosystems (Multi-Agent Orchestration)



- › Agents collaborate across domains
- › Solve complex problems end-to-end
- › Continuously learn & adapt
- › Operate with minimal human input

Outcomes

Business transformation
Sustainable competitive advantage

Percentage of Business at this stage

0%

The Enterprise AI Maturity Model

Why businesses are chasing level 6

1

Frontier Tools (ChatGPT, Claude) (Exploration Era)



- > Employees use AI tools directly
- > High creativity, experimentation
- > Low governance, unclear boundaries

Estimated Time Saved
Per Employee Per Week

1 – 3 Hours

2

Microsoft Copilot / Google Workspace AI (Embedded Productivity Layer)



- > AI built into everyday workflows
- > Better security & governance
- > Seamless user experience
- > Enterprise-grade integration

Estimated Time Saved
Per Employee Per Week

4 – 6 Hours

3

AI Agents (Task-Level Automation)



- > AI agents execute tasks
- > Defined roles & permissions
- > Cross-system access
- > Human-in-the-loop guardrails

Estimated Time Saved
Per Employee Per Week

8 – 12 Hours

4

System of Record Integration (ERP-Centric AI)



This is the inflection point when
AI connects directly to:

- > ERP (SAP, Oracle, Dynamics)
- > CRM
- > Supply Chain Systems
- > Finance Systems
- > HR Systems

Estimated Time Saved
Per Employee Per Week

10 – 15 Hours

5

Agentic AI (Autonomous Coordination)



- > AI agents coordinate with each other
- > Pursue goals & adapt
- > Plan, learn & self-correct
- > Human oversight of intent & risk

Estimated Time Saved
Per Employee Per Week

15 – 25 Hours

6

Autonomous AI Ecosystems (Multi-Agent Orchestration)



- > Agents collaborate across domains
- > Solve complex problems end-to-end
- > Continuously learn & adapt
- > Operate with minimal human input

Estimated Time Saved
Per Employee Per Week

20 – 35 Hours

AI AGENTS IN ACTION: ACCOUNTS PAYABLE EXAMPLE

Same outcome. Fewer handoffs. Faster cycle time. Lower cost. Higher accuracy.

From manual, rule-based steps → to intelligent, autonomous execution with human oversight.

THE IMPACT



70-90%
faster cycle time



50-80%
less manual effort



90%+
straight-through processing



Lower cost
per invoice

1 TRADITIONAL ACCOUNTS PAYABLE PROCESS



TRADITIONAL PROCESS METRICS

Cycle Time: 5–15+ days
Touchpoints: 8+ manual handoffs
Error Rate: Higher
Cost: Higher
Scalability: Difficult

2 ACCOUNTS PAYABLE WITH AI AGENTS



Continuous Learning & Improvement

Agents learn from feedback, exceptions and outcomes to improve accuracy over time.

AI AGENT PROCESS METRICS

Cycle Time: Hours to 1–2 days
Touchpoints: 1–2 human touchpoints (exceptions only)
Error Rate: Much lower
Cost: Significantly lower
Scalability: Highly scalable

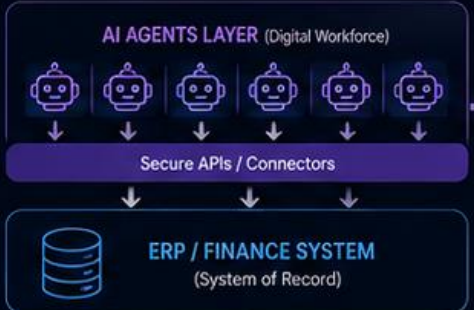
★ Result: Same accurate outcome with a fraction of the effort.

3 WHAT HAPPENS TO YOUR ERP / FINANCE SYSTEM?



ERP / FINANCE SYSTEM
The single source of financial truth remains.

- ✓ ERP remains the system of record for all financial transactions.
- ✓ AI agents connect to the ERP via secure APIs and business rules.
- ✓ AI agents enrich, validate and automate data before it hits the ERP.
- ✓ ERP doesn't change – it becomes more valuable as data quality improves.
- ✓ You get cleaner data, faster processing and better controls.



INPUTS

- Invoices (email, portal, EDI)
- POs
- Goods Receipts
- Supplier Master Data
- Approval Rules
- Payment Terms

OUTPUTS

- Posted Invoices
- Payment Files
- Reconciliations
- Reports & Dashboards
- Audit Trail



KEY TAKEAWAY

AI agents handle the heavy lifting around your ERP – thinking, matching, routing and following up.

Your ERP stays at the center – accurate, secure and in control.



HUMAN OVERSIGHT & GOVERNANCE

Humans set the rules, manage exceptions and focus on higher-value work.
AI agents execute the process with speed, consistency and intelligence.





MEET YOUR DIGITAL WORKFORCE

AI AGENTS AREN'T REPLACING SYSTEMS.
THEY'RE BECOMING DIGITAL EMPLOYEES.



Always on.
24/7 productivity.



Focused.
Specialised in your
business goals.



Scalable.
Add new capability
in minutes.



Reliable.
Consistent, accurate
and audit-ready.

The OpenClaw and Agentic AI Security Challenge

Let me put this in human terms.

OpenClaw is like hiring the **most brilliant** employee you've ever met.



Incredible.



Fast.



Creative.



ON DAY ONE,
YOU SAY:

"Welcome to the company...
here's access to everything."



Finance system? Sure



Customer data? Why not



Production environment?
Go for it



No training.



No policies.



No supervision.



**AND THEN
YOU GO HOME.**



How many of you
would do that?



Exactly.



**BUT THAT'S EXACTLY
WHAT COMPANIES ARE DOING
WITH AI AGENTS RIGHT NOW.**



ACCESS TO EVERYTHING



FINANCE SYSTEM



CUSTOMER DATA



PRODUCTION
ENVIRONMENT



SOURCE CODE
REPOS



INFRASTRUCTURE
CREDENTIALS



NATURAL
VELOCITY

The Framework (Make it Simple)

So if you're a business leader, here's the play.

Not theory. Reality.

1 Control the Context



Your AI should only know:

- ✓ what it **needs** to know
- ✓ not **everything** it can know.

2 Control the Access



Just because an agent can access something...

doesn't mean it should.

3 Control the Execution



Not every action should be automatic.
Some things need a human saying:

"Yeah... let's not send that email."

4 Control the Environment



This is where **NVIDIA NemoClaw** comes in.

You don't trust the agent...

You contain the agent.

5 Control the Oversight



Logs. Audits. Traceability.
Because one day...
Someone in your organisation is going to ask:

"Why did the AI do that?"

And "we're not sure"
is not a great answer.



The goal is simple:

Give your AI agents the **power to perform,**
not the freedom to cause harm.



Why Alternatives Are Emerging

So what's happening?

The industry is moving away from:

❗ **“fully autonomous unrestricted desktop agents”**
toward:

✅ **“governed agent orchestration
with human oversight.”**



★ The winning enterprise platforms will likely combine:



Constrained permissions



Audit logging



Approval checkpoints



Policy enforcement



Isolated execution



Retrieval-based grounding



That is where most enterprise AI spending
is heading in **2026**.

PATH 1 Managed Platforms



Safe. Controlled.
Like putting your AI in
a nice corporate office.



Downside?
It's a bit like...
giving a Formula 1 driver
a Toyota Corolla.



Very safe.
Not very exciting.

PATH 2 Secure Self-Hosted Systems



This is the “we’ll build
it ourselves” crowd.
Containers. Sandboxes.
Isolation.



Basically:
“We trust AI...
but we also don’t
trust AI.”

PATH 3 Developer Tools (with Guardrails)



Maximum flexibility.
Also maximum
responsibility.



Guardrails by design:
permissions, policies,
limits, and controls
built in.



This is where engineers say:
“We’ll handle
the security.”

THE EMERGING FOURTH OPTION:

Sovereign & Private Capabilities



You get the power of advanced AI—
on your terms, in your control.

WHY IT MATTERS

- ✅ Your data stays yours.
- ✅ Meets regulatory and residency requirements.
- ✅ Built for trust, transparency and control.

EXAMPLE: SOVRA

Sovra leverages **NVIDIA Nemotron** LLM Models
integrated with **NVIDIA NemoClaw** to deliver
sovereign, private, and secure AI capabilities.

SOVRA



NVIDIA.

NEMOTRON
LLM MODELS



NVIDIA NEMOCLAW



Different approaches. Different trade-offs.

The right choice depends on your risk, your mission, and your maturity.



THE TENSION IS BUILDING. YOUR DATA, THEIR SYSTEMS, HIGHER COSTS.

Employees are adopting AI tools faster than businesses can govern them, sending **more confidential data** to third party systems every day.

EMPLOYEES ARE USING A WIDE RANGE OF THIRD PARTY AI TOOLS



DATA IS LEAVING YOUR BUSINESS



THIRD PARTY SYSTEMS



You lose visibility, control and jurisdiction over your data.

More AI usage.
More data sent out.
More risk.

The problem compounds.

FRONTIER MODEL COSTS ARE RISING FAST

Frontier providers have been operating at a loss to attract users—this isn't sustainable. Significant price hikes are already here.



Higher costs. Less predictability. Vendor lock-in.

REGULATORY & COMPLIANCE FORCES ARE RAISING THE BAR



Australian Government Essential 8 Guidelines

Require organisations to implement strong controls to protect data and systems from evolving cyber threats.



ASIC

Expect robust governance, risk management and data protection practices.



Australian Privacy Act 1988 (THE REAL DRIVER)

APP 8 (Cross-border disclosure) allows sending personal information overseas BUT requires the licensee to:

- take reasonable steps to ensure the overseas party complies with Australian privacy standards
- remain accountable for breaches

Privacy law drives the data location conversation. You remain accountable—wherever your data goes.

Businesses are being pushed to take control of their data and reduce reliance on third party AI platforms.



SOCI Act (Operational Resilience & Supply Chain Security)

Requires management of cyber risks, critical services and third party dependencies to ensure operational resilience of critical systems and infrastructure.



AUKUS Pillar II (Advanced Capabilities & Technology Sharing)

Drives the need for trusted, sovereign, and allied-controlled technology ecosystems including AI, cyber, quantum and advanced computing.

THE ECONOMIC REALITY OF FRONTIER AI PLATFORMS



- Operating at a loss to attract users
- Not a sustainable model
- Significant price hikes already occurring (e.g. Anthropic, OpenAI)
- Costs will continue to rise

More usage = More data out = Higher costs & higher risk



Sovra AI



Your data stays in your control



Meet regulatory obligations with confidence



Build a proprietary corpus of powerful business data



Unlock better insights, performance and differentiation



Your Data. Your AI. Your Control.

Sovra AI gives you full jurisdictional control of your data.



Stop the data bleed. Reduce risk. Take control. Lower costs. Build sustainable competitive advantage.



Sovra AI



NATURAL VELOCITY

Why Getting Your Data in Order Is Critical for AI Success

AI-ready data is the foundation that turns AI ambition into real business value.

THE IMPACT OF AI-READY DATA



Higher model accuracy



Lower risk and stronger trust



Faster time to value



Lower total cost of AI

THE FOUNDATION: 5 KEY DIMENSIONS OF AI-READY DATA



Quality

Accurate, complete, consistent, and up-to-date



Semantics & Context

Meaning, relationships and context captured and understood



Governance

Policies, stewardship, lineage and compliance built in



Accessibility

Findable, usable and available to the right users and models



Connected

Graph databases unlock relationships and richer insights



Graph Databases: Connect entities, events and relationships to deliver smarter, more explainable AI.



Well-governed, high-quality, connected data is not just a data goal—it is the **#1 enabler of trusted, responsible and valuable AI.**

30%

Source: Gartner

Through 2025, of GenAI projects will be abandoned after proof of concept due to poor data quality, inadequate risk controls, escalating costs or unclear business value.



Why Businesses Aren't Getting the ROI They Expect from AI

Top 10 Reasons Backed by McKinsey & MIT Research



of companies say they are **not getting the expected ROI** from their AI investments.
– McKinsey, 2024

1



AI is added on top of existing processes instead of re-engineering them

70% of transformations fail because companies digitize old processes instead of redesigning for the future.
– McKinsey, 2024

2



Unclear business objectives

Only 28% of AI initiatives are linked to clearly defined business outcomes. – McKinsey, 2024

3



Poor data quality and accessibility

87% of AI projects are slowed down by poor data quality, availability or governance. – McKinsey, 2023

4



Siloed organisations

Teams working in silos are 2.5x less likely to scale AI successfully.
– McKinsey, 2023

5



Lack of AI skills and talent

70% of organisations lack the AI talent needed to scale.
– McKinsey, 2024

6



Risk, compliance and governance concerns

63% cite risk and compliance as a barrier to faster AI adoption.
– McKinsey, 2024

7



Resistance to change

70% of change initiatives fail due to employee resistance and culture.
– McKinsey, 2022

8



Pilot purgatory – can't scale

80% of AI pilots never make it to production.
– MIT, 2023 (MIT NANDA Report)

9



Unrealistic expectations

Many expect AI to deliver immediate, enterprise-wide impact.
– MIT, 2023

10



No measurement of value

65% of companies don't track AI value beyond accuracy or usage.
– McKinsey, 2024



THE BOTTOM LINE

AI delivers value when it's **aligned to real business outcomes**, built on **quality data**, supported by the **right skills**, and embedded through **re-engineered processes**.

SOURCES

McKinsey & Company: State of AI Report 2024, 2023, 2022

MIT NANDA Initiative: The GenAI Divide – State of AI in Business 2023

AI IS RESHAPING JOBS.

OUR HUMAN VALUES DEFINE OUR FUTURE.

Evidence today. Impact by 2030. Our response must be human-centered.



+78M

Jobs gained by 2030
(Global)

Gartner AI Job Impacts Forecast
(Baseline 2023–2030)



-42M

Jobs displaced by 2030
(Global)



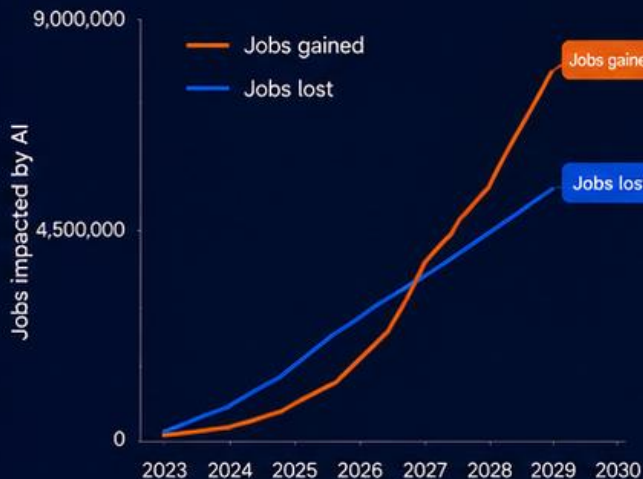
+36M

Net job growth by 2030
(≈ +7% vs. 2023)

Source: Gartner (2025)

AI JOB IMPACTS FORECAST

Running Total, Global¹



Source: Gartner

¹ Global jobs, excluding China and India

SKILLS SHIFTING BY 2030

Share of employers

INCREASING IN IMPORTANCE

- AI & Big Data
- Technological Literacy
- Creative Thinking
- Curiosity & Lifelong Learning
- Systems Thinking
- Analytical Thinking
- Resilience, Flexibility & Agility
- Leadership & Social Influence
- Motivation & Self-Awareness
- Empathy & Active Listening
- Service Orientation

DECREASING IN USE

- Manual Dexterity, Endurance & Precision
- Sensory-Processing Abilities
- Reading, Writing & Mathematics
- Resource Management & Operations
- Dependability & Attention to Detail
- Marketing & Media
- Environmental Stewardship
- Multi-lingualism
- Quality Control
- Teaching & Mentoring
- Global Citizenship

Source: World Economic Forum (2025)

EARLY IMPACT ON JOBS: YOUNG WORKERS HIT HARDEST

Employment change for 22–25 year-olds
by AI exposure (vs. Oct 2022 = 1.0)



≈13% DECLINE

in employment for young workers
in most AI-exposed occupations
since late-2022

Source: Brynjolfsson, Chandar & Chen (2025)
ADP Payroll Panel Data, July 2025

AMPLIFY WHAT MAKES US HUMAN

The core to our advantage in
an AI-powered world.



Empathy & Compassion

Build trust, care and
meaningful connections



Creative & Critical Thinking

Imagine, question and
solve what's next



Leadership & Social Influence

Inspire, collaborate and
mobilize others



Judgement

Make sound decisions in
complex and uncertain situations



Motivation & Self-Awareness

Bring purpose, resilience
and integrity



Adaptability & Lifelong Learning

Stay curious, learn and
grow continuously



PEOPLE + AI BETTER TOGETHER

Technology scales capability.
Values guide impact.



WHAT THIS MEANS



Jobs are changing,
not just disappearing.



Entry-level pathways
in exposed roles
are at risk.



Invest in human skills,
reskilling and new
career pathways.



Use AI to augment
human potential—
for shared prosperity.

Your AI Journey Starts Local

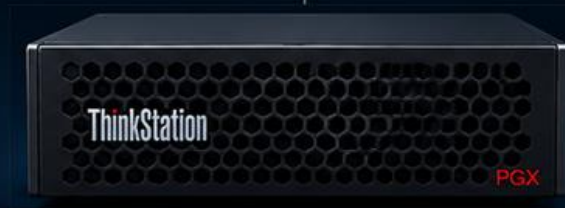
Try a Local LLM with RAG & MCP

The Lenovo PGX or NVIDIA Spark brings enterprise-grade AI capability to your desk – secure, private and on your terms.

- ✓ Run leading open weights models locally with no data leaving your environment
- ✓ Build with RAG to use your own documents and knowledge
- ✓ Integrate tools and systems with MCP for real-world actions

Lenovo PGX Enterprise Workstation

Maximum power. Maximum expandability.




Up to
4x NVIDIA GPUs


Up to
192GB Memory


Up to
16TB Storage


10GbE
Networking

NVIDIA Spark Compact AI Supercomputer

Small in size. Big on capability.




Up to
1,000 TOPS AI
Performance


128GB
Unified Memory


Up to
4TB Storage


Wi-Fi 7
Connectivity



Private & Secure

Your data stays with you.
No cloud. No compromise.



RAG Ready

Use your documents,
policies and knowledge
to get accurate,
context-aware answers.



MCP Enabled

Connect AI to tools,
systems and APIs
to automate real
business workflows.



Fast Start

Up and running in
minutes – not months.
Perfect entry point
for real-world testing.



Low Risk

Evaluate and prove value
before you scale.
Small investment.
Big insight.



Scale with Confidence

Start local. Scale to
enterprise when you're
ready – on premise or
sovereign cloud.



THE SMARTEST FIRST STEP

Experience the power of private AI with your own data,
your own rules, your own results.



Ready to try it?

We'll help you set it up, load your data and run your first AI use case.
Start small. Learn fast. Build confidence.

WE HAVE BEEN HERE BEFORE



FLIGHT, A DANGEROUS FANTASY



TYPEWRITER POOLS



YOUR HOME WILL EXPLODE



DEVIL WAGONS



Every generation faces new technology. Fear is natural. Progress is inevitable.

Let's Connect. I'm here to help.



More Information



Best Practice
Frameworks



Let's Start
a Conversation



Connect with me
on **LinkedIn**

john.mcgiffin@naturalvelocity.ai or 0419 768 848



Let's build a **smarter, safer future**—together.



Thanks for your time and attention!

