

LYKEN..AI

Consulting + Infrastructure +
AI guidance + Outcomes



Everyone knows they need AI.
Few know how to make it work.



PARTNERS



WHO IS LYKEN?

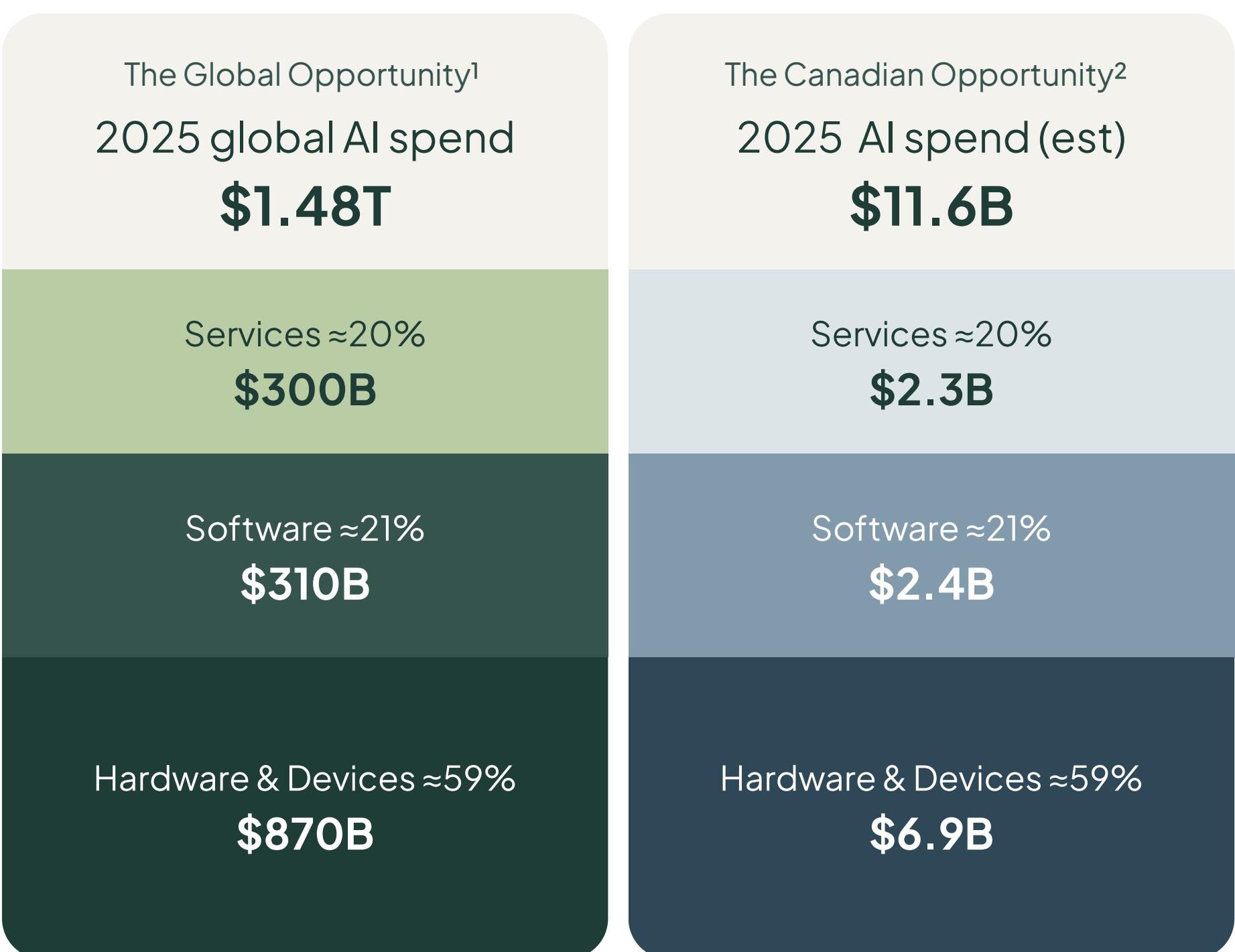
Canada's boutique AI consulting and sovereign infrastructure firm helping organizations solve real business problems with Practical AI.

Backed by strategic partnerships with NVIDIA, Dell, and premier data center providers, we deliver a comprehensive service suite—from idea to complete implementation support.

Most AI initiatives get stuck between ambition and execution. We deliver solutions that align with what makes your business successful and drive measurable impact.

The AI gold rush is real

Artificial Intelligence
could reach up to **\$19.9
Trillion** to the Global
Economy through 2030
and Drive 3.5% of Global
GDP in 2030.³



But here's the reality

- Organizations don't know where to start
- Unclear which solutions actually work
- Overwhelming noise and hype

THE AI CRISIS

8 months average to
reach production
(for the few that make it)⁴

70-85% of AI
projects fail

42% of companies
abandoned most
initiatives in 2025⁵

Only 5% deliver
meaningful ROI⁶

Why is that?

The difference between success and failure isn't the technology—it's the approach.

Unrealistic Promises

Transformation theater, not business value

Technology-First

Chasing tools, not solving problems

Poor Foundations

Bad data, no governance

Generic Expertise

Consultants who demo well but can't scale

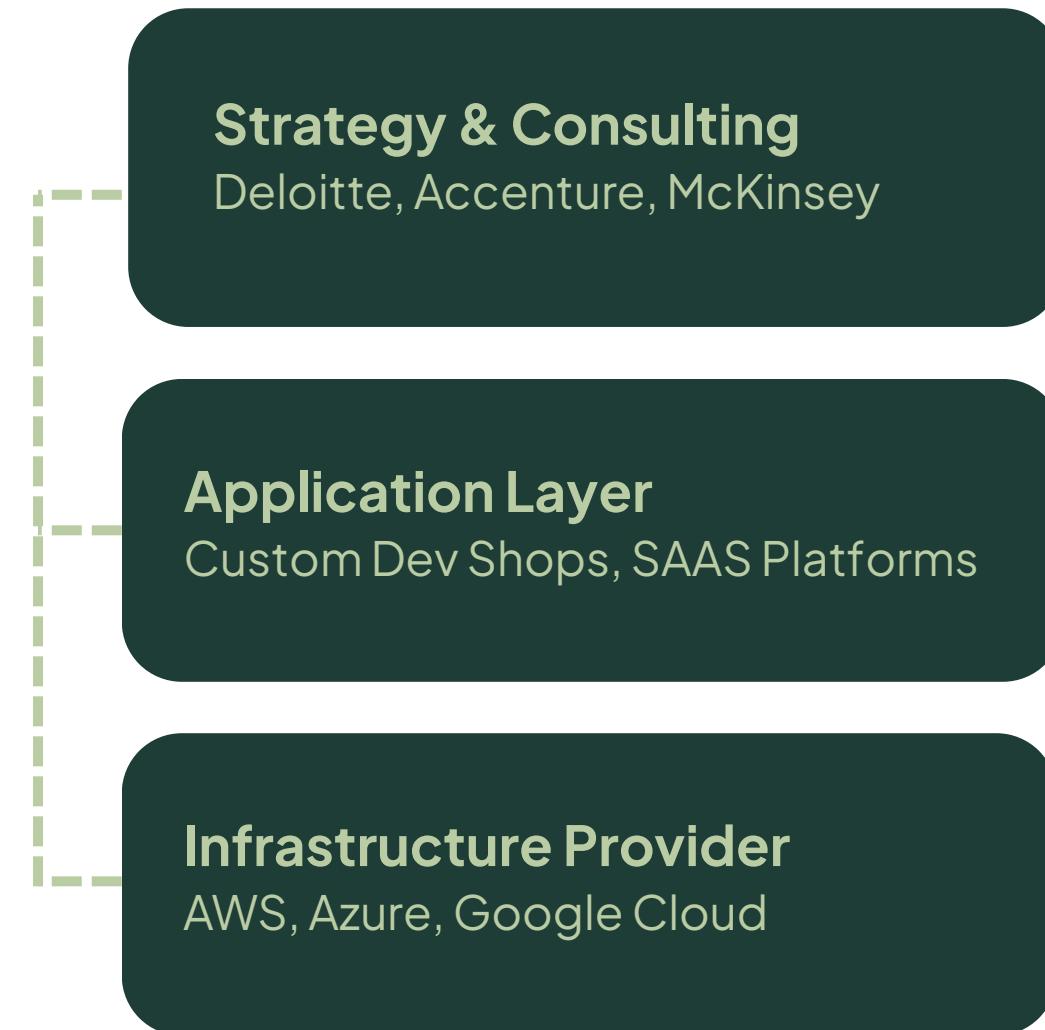
No Clear Path

Stuck in pilot purgatory

The Fragmentation Problem

WHEN OWNERSHIP IS SPLIT, ACCOUNTABILITY DISSAPEARS.

A TYPICAL AI
PROJECT IS
SPLIT ACROSS:



Everyone owns a piece. No one owns the **outcome**.

“We built what was
scoped. Talk to
your cloud
provider.”

THE CLIENT

“Not us.
Talk to your
software provider.”

“The platform is
working. Talk to
your consultant.”

The challenge is moving from AI vision to **reality**.

Traditional AI initiatives often focus on transformation - reimagining entire enterprises with AI.

Practical AI focuses on progress - solving specific problems with measurable outcomes. Problem-first, production-ready, results-driven. Both start with good intentions. One consistently delivers working solutions.

WHAT SETS US APART

The Lyken difference

THE INDUSTRY NORM

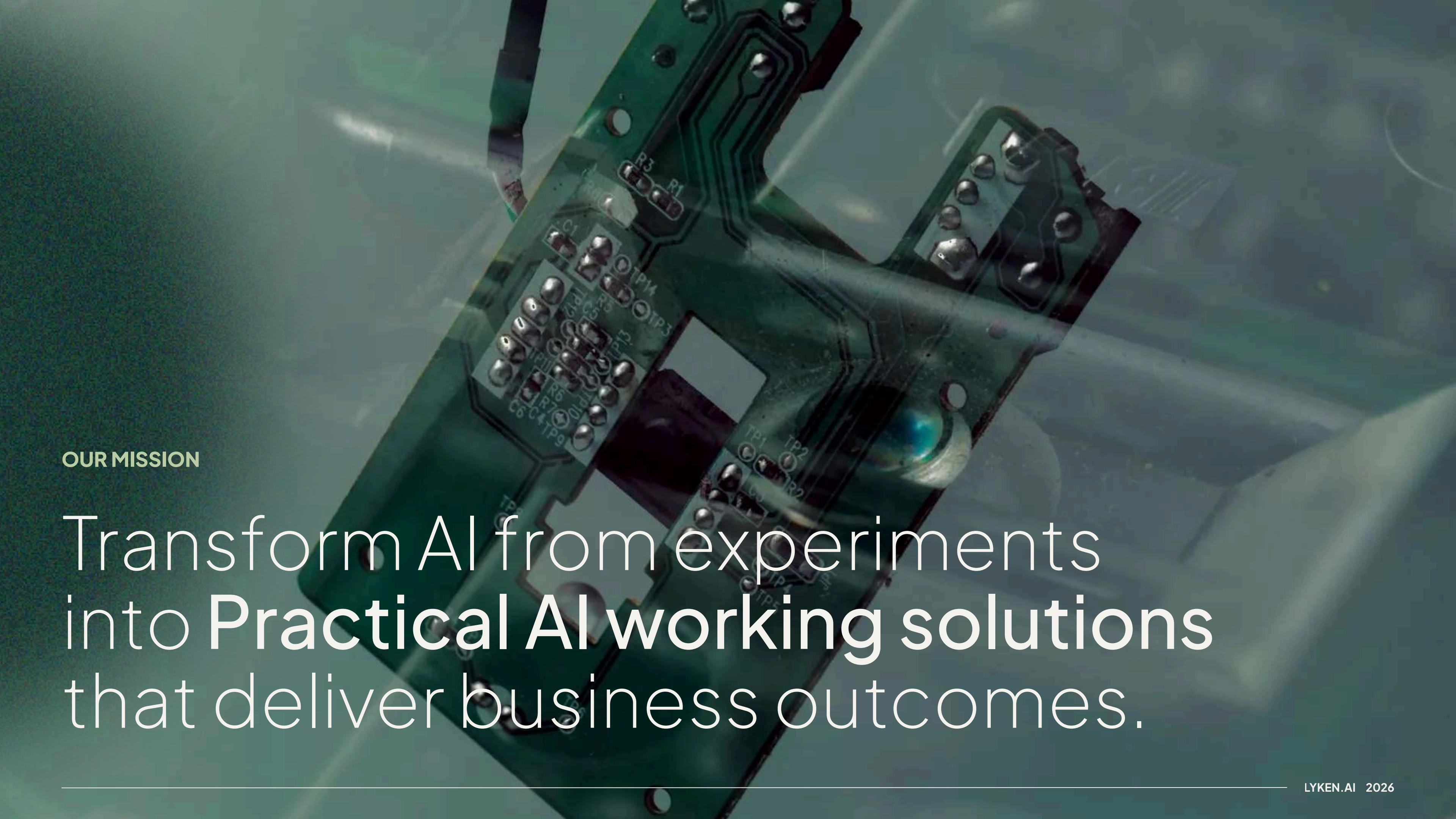
Traditional / Transformative AI

- Enterprise-wide transformation initiatives
- Technology-first: "Let's use AI" everywhere
- Proof-of-concepts that never reach production scale
- Vague innovation metrics
- Hyperscaler infrastructure (foreign jurisdiction)
- Generic consulting firms

A BETTER WAY FORWARD

Practical AI, Powered by Lyken

- ✓ Targeted solutions tied to business goals
- ✓ Problem-first: "What are we trying to solve?"
- ✓ Production ready solutions with proven scalability
- ✓ Clear ROI and measurable results
- ✓ Local data centers (aligned with local sovereignty rules)
- ✓ Specialized AI consultants + infrastructure experts + full ownership



OUR MISSION

Transform AI from experiments
into **Practical AI working solutions**
that deliver business outcomes.

The Lyken Solution

Most providers offer one. Lyken delivers all three—integrated and accountable.

01. EXPERT CONSULTING

Problem-first approach that prevents failure

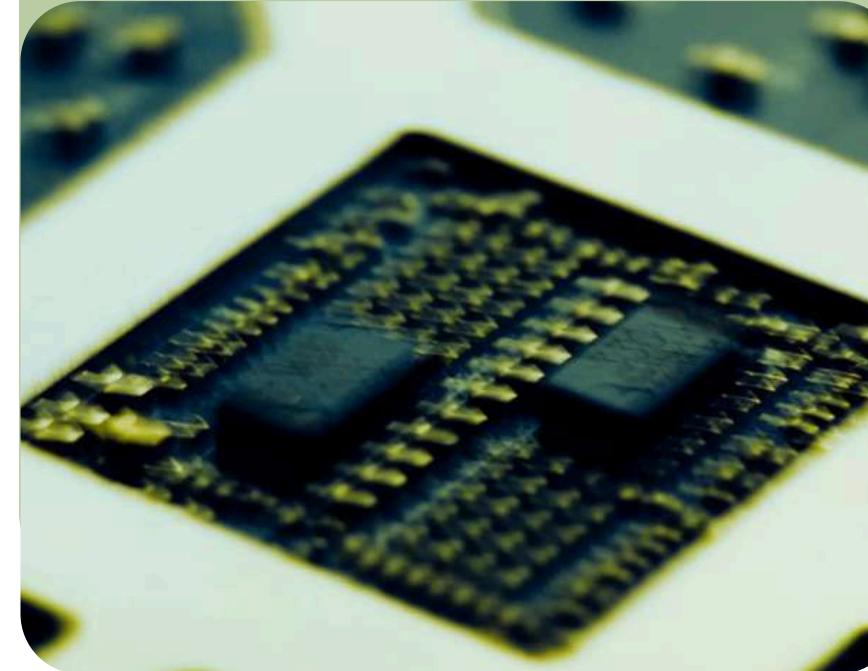
- ✓ Honest assessment of readiness and fit
- ✓ Data validation before significant investment



02. PRODUCTION-GRADE SOFTWARE

Enterprise AI tools that actually work

- ✓ Specialized solutions (Healthcare, Automotive, Analytics)



03. SOVEREIGN INFRASTRUCTURE

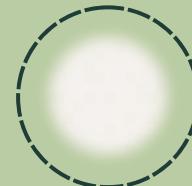
Locally-owned and operated foundation

- ✓ Subject only to Local Sovereignty and Data Residency law



PILLAR 1

Expert Consulting: Your guide from concept to production



Why Organizations Choose Lyken: We tell you what you need to hear, not what you want to hear. Even if that means walking away from revenue.

Strategic Roadmapping

- Clear business objectives and ROI targets
- Pilot with purpose (not endless POCs)
- Production deployment planning
- Change management support

Discovery & Assessment

- What problem are we actually solving?
- Is AI the right solution?
- What's your current data readiness?
- Honest evaluation of timeline and investment

Data Readiness Validation

- Quality assessment
- Governance framework
- Integration planning
- Realistic foundation-building timeline

Implementation & Scale

- Dedicated specialized staff
- Knowledge transfer to internal teams
- Continuous optimization
- Production monitoring and support

PILLAR 2

Production-Grade Software: Tools That Actually Work

Why This Matters: One reason AI projects fail is using immature tools. We provide battle-tested, enterprise-grade software already proven in production.

Foundation

- NVIDIA AI Software Stack (industry standard)
- NeMo Framework for agentic AI
- Production-ready deployment tools
- MLOps automation

Specialized Solutions

- Healthcare: Clara platform
- Automotive: DRIVE platform
- Video Analytics: Metropolis
- Decision Optimization: cuOpt
- AI Inference: Dynamo
- Agentic AI: Nemotron

Deployment Capabilities

- Model training at scale
- Real-time inference
- Edge AI deployment
- Continuous optimization
- Proven methodologies

PILLAR 3

Sovereign Infrastructure: The Foundation That Won't Fail You

Why This Matters: Your AI is only as reliable as the infrastructure it runs on. And your data is only as secure as the jurisdiction protecting it.

Geographic Coverage

- Data centers: Ontario, Alberta, British Columbia
- Complete Canadian coverage and redundancy
- Data never leaves Canadian borders

Technical Foundation

- High-performance GPUs optimized for AI
- Ultra-low latency networks
- Encrypted, scalable storage
- Redundant power systems
- 99.999% uptime SLA
- 24/7 Canadian-based monitoring

True Sovereignty (*Key Differentiator*)

- 100% Canadian-owned and operated
- All personnel Canadian citizens
- Subject ONLY to Canadian law
- NOT subject to US CLOUD Act
- NOT accessible by foreign governments
- Complete supply chain sovereignty

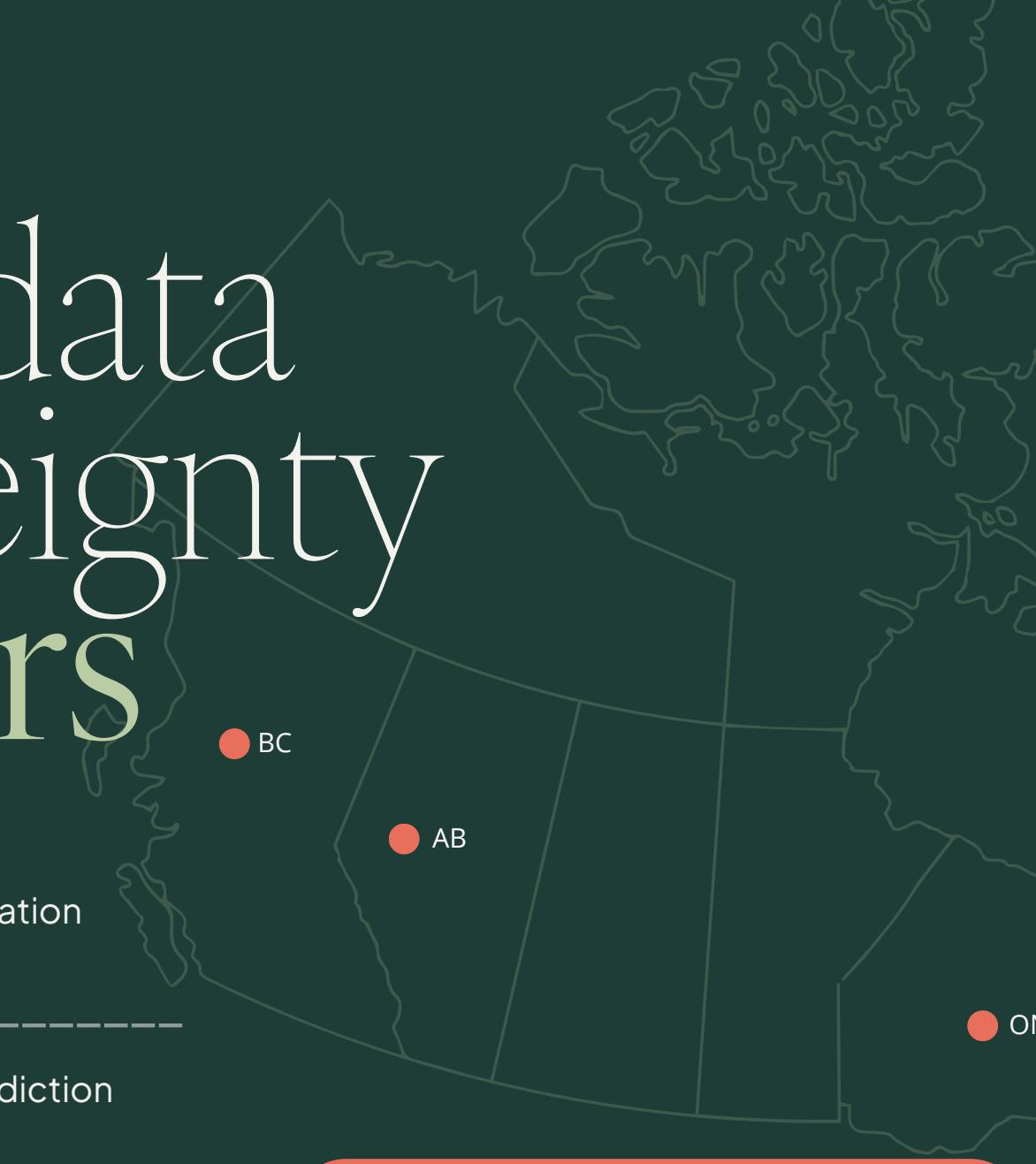
• Compliance Built-In

- PIPEDA compliant
- Provincial regulations (BC, NS, NB)
- Industry-specific requirements
- Government PBMM capabilities

Why data sovereignty matters

Data Residency = Physical location
(servers in Canada)

Data Sovereignty = Legal jurisdiction
(subject only to Canadian law)



THE CRITICAL DIFFERENCE:

Foreign-Owned Cloud (AWS, Azure, Google)

- ✗ Subject to US CLOUD Act
- ✗ Foreign governments can compel data access
- ✗ Global workforce managing systems
- ✓ Canadian data centers (residency only)

Lyken

- ✓ Subject only to Canadian law
- ✓ No foreign government access
- ✓ 100% Canadian personnel
- ✓ Canadian data centers (full sovereignty)

Government of Canada:

"As long as a cloud service provider that operates in Canada is subject to the laws of a foreign country, Canada will not have full sovereignty over its data."

When It Matters Most:

- Training AI on proprietary/competitive data
- Regulated industries (healthcare, finance, government)
- Customer PII for Canadian citizens
- Intellectual property protection

How do we make you successful?

Accessible for Organizations of All Sizes

Not just for enterprises —small and mid-sized businesses can affordably "dip their toes" into AI

Enterprise Partnerships at SMB Prices

We bring together best-in-class partnerships (NVIDIA, Dell, leading data centers)

End-to-End Ownership

Infrastructure + Software + Consulting under one roof

True Data Sovereignty (Unique Differentiator)

Complete sovereignty over where your data lives and who can access it

Pricing Transparency

From concept to business outcome



The question *isn't* whether to implement AI.

The question is:

What actually moves
your business forward?

Let's start your
AI Journey the
right way...

Contact us

info@lyken.ai
1(403) 815-4262
lyken.ai

Practical AI. Real Results. True Sovereignty

LYKEN.AI



REFERENCES

1. https://www.gartner.com/en/newsroom/press-releases/2025-09-17-gartner-says-worldwide-ai-spending-will-total-1-point-5-trillion-in-2025?utm_source=chatgpt.com
2. <https://ised-isde.canada.ca/site/ised/en/public-consultations/consultations-artificial-intelligence-ai-compute>
3. <https://my.idc.com/getdoc.jsp?containerId=prUS52600524>
4. <https://www.gartner.com/en/newsroom/press-releases/2024-05-07-gartner-survey-finds-generative-ai-is-now-the-most-frequently-deployed-ai-solution-in-organizations>
5. S&P Global Market Intelligence via CIO Dive (September 2025) <https://www.ciodive.com/news/AI-project-fail-data-SPGlobal/742590/>
6. MIT NANDA Initiative via Fortune (August 2025) <https://fortune.com/2025/08/18/mit-report-95-percent-generative-ai-pilots-at-companies-failing-cfo/>
7. Gartner via Informatica (2024) <https://www.informatica.com/blogs/the-surprising-reason-most-ai-projects-fail-and-how-to-avoid-it-at-your-enterprise.html>