Beyond the Buzz
AI & the Next Generation Workforce

How AI can modernize your workforce strategy in the energy sector

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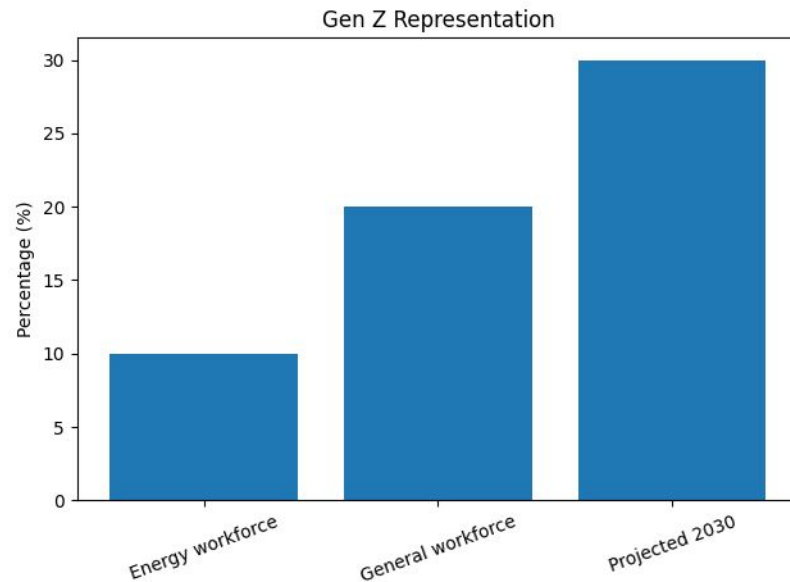*Responsible & Ethical AI for Energy*

Agenda

- 0–5 min: Welcome & context
- 5–15 min: Gen Z workforce gap & challenges
- 15–30 min: AI adoption & its impact
- 30–45 min: Demonstrations of G-Data tools
- 45–55 min: Designing your first AI pilot
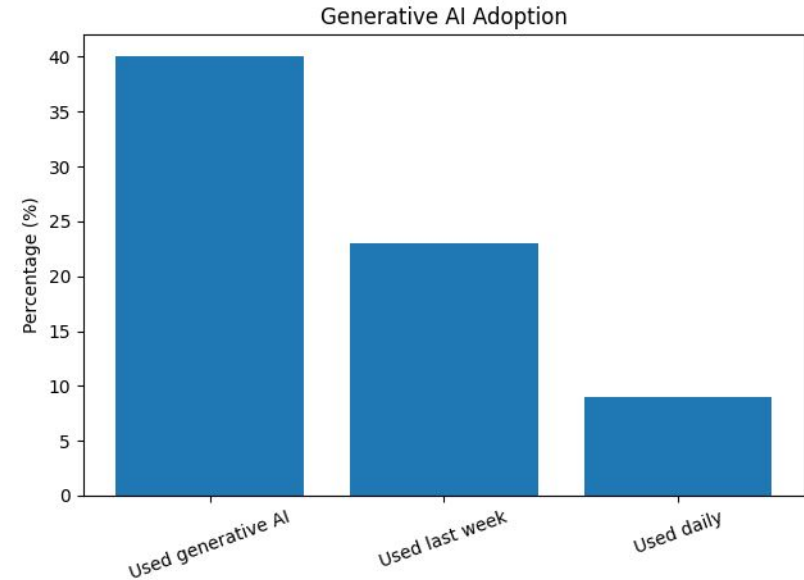- 55–60 min: Roadmap, call to action & Q&A

The Gen Z Workforce Gap

- Fewer than 1 in 5 Gen Z are aware of energy career paths
- Only about 10% of the sector's workforce is Gen Z vs 20% across society
- Gen Z will be 30% of the population by 2030—urgency to engage
- Outreach must speak their language and leverage modern tools

Gen Z Representation

[1]

AI Adoption & Workforce Evolution

- ≈40% of US adults (18–64) use generative AI
- 23% used it last week; 9% use it daily
- 1–5% of work hours assisted → 1.4% time savings
- AI-driven training boosts learning efficiency by 57%
- E-learning market expected to reach $44.6B by 2028

Generative AI Adoption

[2] [4]

AI Transforming the Energy Sector

- Predicts blackouts & optimizes grid operations
- Enhances efficiency by analysing sensor & meter data
- Integrates renewable energy sources seamlessly
- Delivers predictive maintenance & improves safety
- Reduces reliance on fossil fuels & boosts resilience

[3]

AI in Action: G-Data Demonstrations

AI Video Training
Turn manuals into engaging micro-lessons in minutes.

AI Podcast
Convert safety briefings into compelling audio.

AI Chat Assistant
24/7 career coach & Q&A built on ethical data consent.

Design Your First AI Pilot

Define
Identify a workforce pain point or training gap.

Design
Choose your AI tool (video, podcast, chat, predictive) & plan.

Deploy
Launch ethically with feedback loops & measure impact.

AI Literacy Pathway for Energy

Tier 1: Awareness & Safety
Build AI literacy & safe practices for all staff.

Tier 2: Application
Hands-on training & deployment for workforce teams.

Tier 3: Innovation Labs
Co-create new solutions with leaders & educators.

Join Us in Building the Future

- Host an AI Literacy Lab or Energy + AI Experience Zone
- Partner in our AI Workforce Pilot Challenge
- Get a complimentary AI Readiness Assessment

"AI won't take your job – someone fluent in it will."
Let's make sure your teams speak that language.

Learn more at g-datalabs.com or reach out after the session.

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