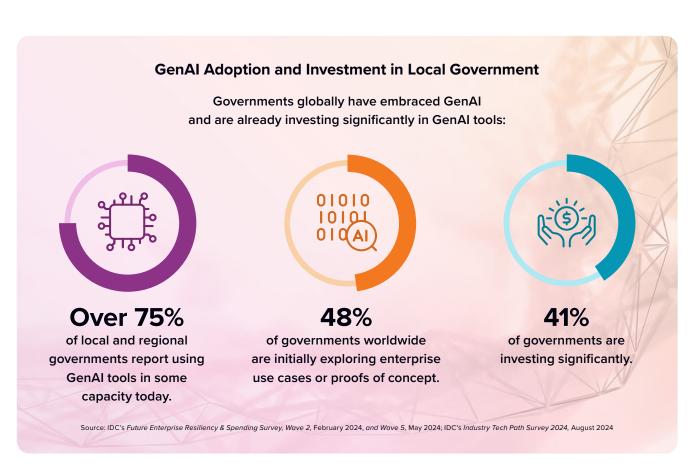


The Era of Al-Empowered Cities: Responsible Generative Al Adoption

GenAl Creates Massive Opportunities for Local and Regional Governments to Rapidly Deliver Secure, Modern, and Resilient Experiences





Near-Term Use Cases for GenAl for an Empowered Workforce

GenAl is a form of artificial intelligence that creates text, audio, video, images, and code in response to short prompts based on its training data. For cities, GenAl's power lies in querying defined, trustworthy data sets, both internal and external to the city.

A GenAl-empowered city can transform operations and service delivery by automating processes to boost productivity and enhance the employee experience. IDC predicts that GenAl-augmented services will grow 50% by 2026, enabling both large and small municipalities to offer new services.

GenAl is a powerful tool that can:

- · Generate, test, explain, audit, and translate code
- · Create compelling RFIs, RFPs, and job postings
- · Analyze information to personalize services

- Summarize large amounts of information such as council notes or legal documents
- Generate images and video content
- Assist citizen services call centers with intelligent services

IDC research shows that local governments are selecting use cases that quickly show impact and are easier to implement, focusing on enhanced citizen experiences through automation. GenAl can generate community alerts and updates in multiple languages and help digital assistants navigate government services. It can also uncover insights across departments and data silos.

GenAl's impact on the workforce includes integrating siloed workflows, saving time, and improving employee experience.

Specific areas of impact include:

- Procurement and grants management: 50% see GenAl as critical.
- Public health, social, and emergency services:
 49% see GenAl as critical.
- Hyperpersonalizing government service delivery: 40% see GenAl as critical.

Early GenAl pilots should focus on use cases with clear business benefits measured by key performance indicators such as employee satisfaction and productivity. Cities and states should prioritize use cases based on a defined value, complexity, and risk. For example, using GenAl for customer support for benefits eligibility questions is less risky than using GenAl to determine benefits eligibility.

A critical success factor for using GenAl at scale — beyond point solutions within specific departments or agencies — requires understanding GenAl's benefits, governance, and technical challenges. Cities must recognize GenAl's limitations and ensure proper use through policies and training.

Key considerations include:

· Data fairness:

Work with partners to ensure training data fairness and reduce algorithmic bias.

Data explainability:

Understand data lineage and provenance.

· Data accuracy:

Reduce misinterpretations and irrational results.

• Data security and privacy:

Address issues from combining data sets.

• Infrastructure requirements:

Access cloud compute power, training data, and AI platforms for sandboxed experimentation.

Next Steps for an Al-Empowered City

As smart cities and communities rapidly adopt GenAl, it is important to proactively manage adoption to benefit from this technology's opportunities while managing the risks and challenges.

Focus on trust:

Cities must develop responsible GenAl policies with clear use guardrails. The use of GenAl must be transparent and not "shadow IT." IDC studies show that only one-fifth of governments have responsible enterprise-wide Al governance policies and even fewer have a responsible Al code of conduct.

Train and hire for GenAl skills:

GenAl is user-friendly for IT and non-IT staff.
Employees need to receive training on GenAl fundamentals, acceptable use policies, and how to integrate GenAl into day-to-day workflow.
Building complex GenAl systems requires specialized skills, necessitating new job descriptions and upskilling in areas such as prompt engineering and code interpretation.

Scale GenAl:

Scaling GenAl involves conducting pilots and sandboxed experiments, scaling pilots into productions, and having the Al infrastructure and architecture in place to support workloads. Assessing build versus buy strategies and working with trusted partners is crucial for accessing necessary skills and expertise.

Cities are already benefiting from GenAI, and the opportunities will only continue. In this rapidly evolving environment, cities should quickly develop a strategic action plan with trusted partners to become AI-empowered.

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