

# The Future of AI in Texas

## Texas at the Heart of AI Innovations

Texas is rapidly emerging as a global leader in AI, fueled by a thriving tech ecosystem, a booming data center industry and groundbreaking initiatives like the Stargate project.

**With strategic investments and resources, Texas is cementing its role as a key player in the AI revolution.**

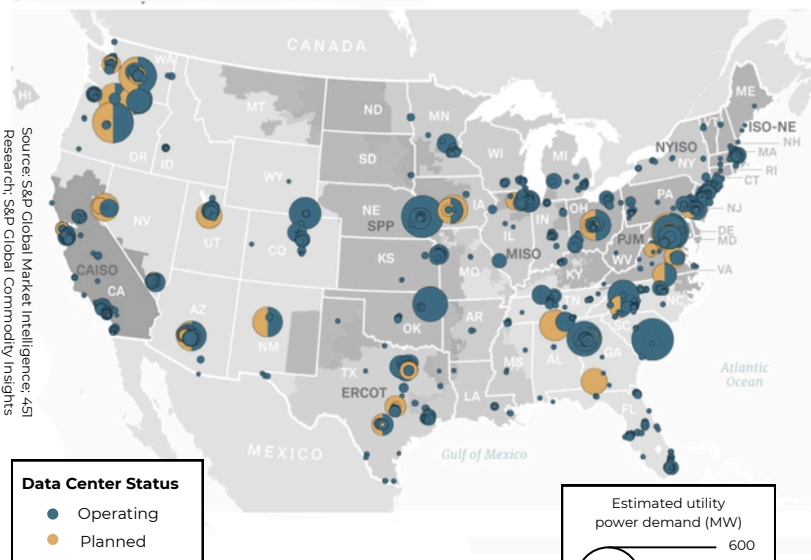
**Data Centers:** Texas is home to **279 data centers** as of Sept. 2024, with the Dallas-Fort Worth area alone housing 141 — second only to Northern Virginia.

Sources: [Texas Comptroller](#), [JLL Report](#)

**Abilene: Stargate's Launchpad:** Abilene is the centerpiece of Stargate, a \$500B national initiative announced by President Trump in partnership with OpenAI, SoftBank and Oracle.

**The project includes 10 "colossal data centers" on an 895-acre campus, comparable to New York's Central Park, with plans to expand to 20 buildings.**

Sources: [AP](#), [PBS](#), [Abilene Reporter-News](#)



## AI Data Centers: The Need For More Energy and Water

**Energy:** Data centers require 24/7 power. Large data centers can consume **over 100 megawatts each** — equivalent to the annual energy usage of 350,000 to 400,000 electric cars.

Source: [International Energy Agency](#)

**Water:** A single AI data center can consume **300,000 gallons of water a day, roughly equivalent to water use in 100,000 homes.** Water use is critical for cooling systems to manage the immense heat generated by AI processing units.

Source: [Shehabi of Lawrence Berkeley National Laboratory](#)

## AI is Transforming Texas Education & Workforce

AI is reshaping how Texans learn, teach and prepare for future jobs. **Demand for AI-related workforce skills is surging**, and Texas must invest in bridging digital divides and expanding AI education.

**Workforce Growth:** AI jobs in Texas are projected to **grow by 27% over the next decade**, with the state ranking 4th nationally for AI-related job postings. Top roles include Prompt Engineer, AI Researcher and Machine Learning Engineer.

Sources: [UTSA](#), [ABC 13 Houston](#)

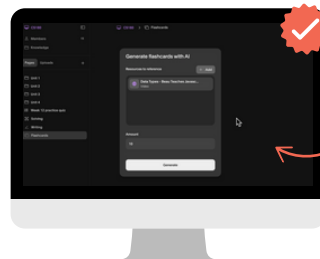
**51%**

of teachers see AI positively influencing education.

Source: [AIPRM](#)



AI helping with lesson planning



AI helping students study

**86%**

of students globally use AI tools regularly in their studies.

Source: [Digital Education Council](#)

**Did you know?** Jobs in record-keeping, cashiers, accounting, factory work and traditional security roles are among the **most at risk from AI.**

Source: [Chamber of Commerce](#)

## AI and Health Care

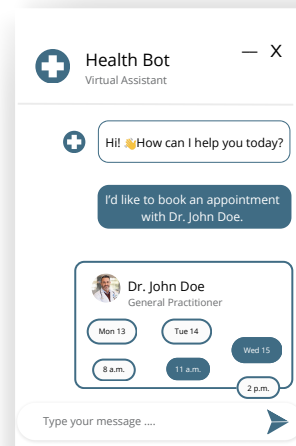
AI is transforming health care by leveraging data for faster diagnoses, personalized treatments and improved efficiency, **helping to bridge gaps in care across Texas.**

**Enhanced Diagnoses:** AI systems now achieve diagnostic accuracy rates as **high as 84%**, surpassing traditional methods. Source: [UCLA](#)

**Personalized Treatments:** The University of Texas System integrates AI to tailor care plans, optimize therapies for better outcomes. Source: [UT System](#)

**Streamlined Processes:** AI tools like those at Texas Health Physicians Group reduce administrative tasks, freeing up time for patient care.

Source: [Texas Health](#)



# Texas AI Advisory Council Created to Set Guardrails



## AI and the Economy

Businesses in energy, health care, manufacturing and beyond are using AI to streamline operations, enhance customer experiences and stay competitive in a rapidly evolving marketplace.

**83%**

of business leaders surveyed in 2024 reported **increased profitability and innovation due to AI.**

Source: [McKinsey](#)

**7%**

rise in global gross domestic product as a result of AI with **300 million U.S. and European jobs impacted by automation.**

Source: [Goldman Sachs](#)

In 2023, the Texas Legislature took a pivotal step toward responsible AI governance by establishing the **Artificial Intelligence Advisory Council**. Tasked with **studying AI** use in state agencies, the council aims to safeguard privacy, uphold civil liberties and promote ethical AI practices.

## AI: Monitoring the Risks

To ensure an innovative, ethical and secure AI landscape, Texas will need to monitor and address critical risks such as:

### 1. Privacy Concerns

AI systems rely on vast amounts of personal data, heightening the risk of misuse or unauthorized access.

### 2. Cybersecurity & Military Security Risks

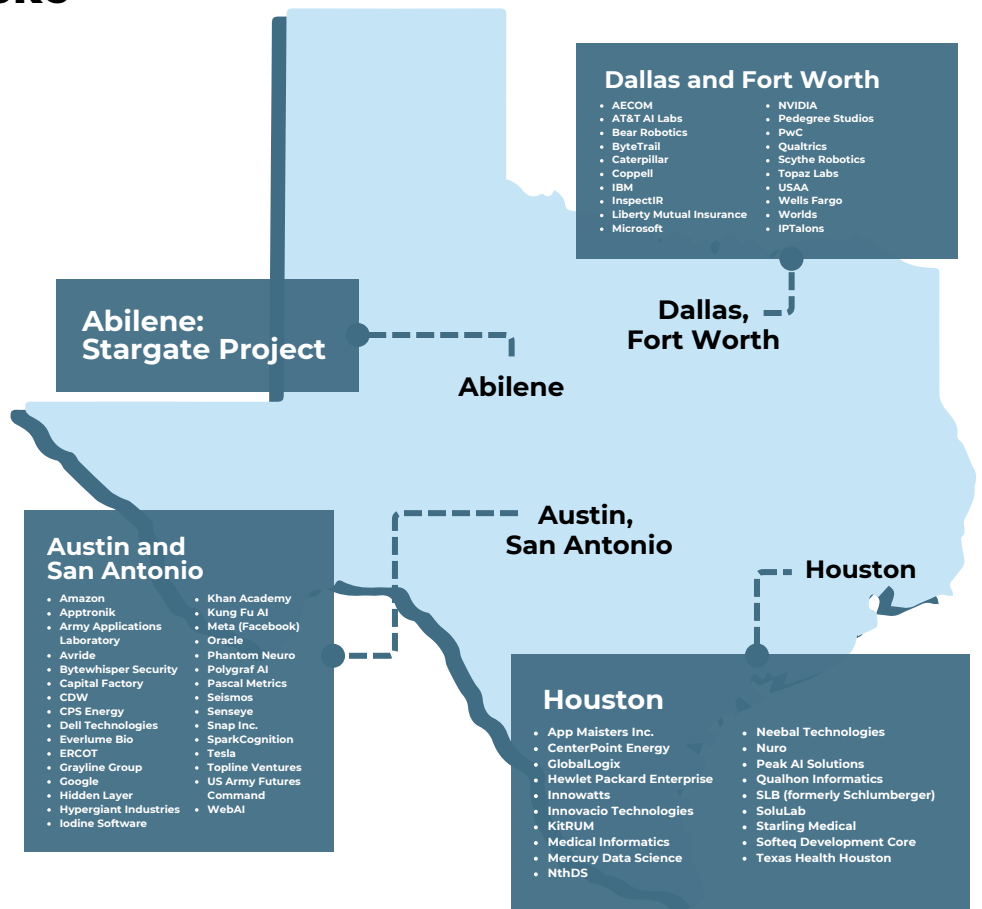
AI-driven cyberattacks, such as deepfakes or AI-enhanced hacking, threaten critical infrastructure and public trust. Weaponized AI can also pose ethical and geopolitical concerns.

### 3. Accountability and Regulation

There is a need for clear legal frameworks for AI systems that ensure accountability while harmonizing with AI innovation and growth.

## Artificial Intelligence in Texas

*Scratching the Surface: A Sample of Companies using AI*



## Texas Voters Split on TXLEGE AI Use

Texas 2036's **8th Texas Voter Poll** found 47% of voters prioritize restricting AI use in state government due to safety and privacy concerns, whereas others see potential.

**24% of voters believe AI could make government services more efficient,** reducing waste and cutting through bureaucracy.

## Texas Legislature's AI Approach

This legislative session, almost 20 bills related to AI have been filed, addressing topics ranging from the misuse of AI to protecting children's privacy.

**The bill to watch:** Texas Responsible Artificial Intelligence Governance Act (Rep. Capriglione) - Establishes regulations and reporting requirements for AI systems used by businesses and state agencies.

Other bills focus on:

- Health Benefit Plans
- Child Safety and Privacy
- Generative AI and Elections
- Cyberbullying and Digital Safety
- Civil and Criminal Liability