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NxtGen Cloud Technologies

NxtGen has emerged as a leader in sovereign cloud infrastructure. How is this shaping digital transformation across India's public sector enterprises?

Public sector enterprises in India are the backbone of our country; they handle sensitive citizen data, manage critical infrastructure, and operate under strict compliance regulations. By providing sovereign cloud infrastructure, NxtGen is poised strategically to stand as a trusted service provider for their national endeavours. Their data resides in India, under Indian law, with full audit rights. This has unlocked adoption across PSUs, from banking to energy to transportation, because they now see cloud not as a compliance risk but as a trusted enabler.

The impact is visible in three ways:

- Mission-critical workloads: PSUs are migrating ERP, citizen services, and smart city platforms without regulatory hesitation.
- Faster innovation cycles with sovereign guarantees in place, CIOs and CISOs are focusing on AI, automation, and service delivery instead of compliance

NxtGen[↑]

firefighting.

- Ecosystem momentum: Domestic talent, amplifying the sovereign infrastructure story with AI-native applications for governance, citizen engagement, and national security.

In short, sovereign cloud is not just infrastructure; it is the foundation for Digital Viksit Bharat. It is helping PSUs move from cautious adopters to confident leaders in India's digital economy.

NxtGen's Financial Services Cloud is built with 833 compliance controls. How is NxtGen helping regulated sectors like BFSI and government navigate India's complex data governance landscape?

India's regulatory framework is one of the most stringent in the world. RBI, SEBI, IRDAI, and MeitY have all laid down clear directives on data localisation, continuous monitoring, and right-to-audit. For BFSI and government CIOs, the challenge has always been to reconcile innovation with these mandates.

That is exactly why we built the Financial Services Cloud (FSC). It embeds 833 compliance controls mapped to RBI and SEBI circulars, CERT-In advisories, and global benchmarks. FSC makes compliance viable by centrally ensuring the understanding and application of

controls uniformly across multiple customers. This means customers don't have to stitch compliance together manually; it is baked into the platform.

Our role goes beyond infrastructure. We:

- Translate regulation into practice, so every workload deployed requiring technological control is automatically aligned to the regulator's intent.
- Eliminate regulatory ambiguity by ensuring data stays in India, immune from foreign laws like the US CLOUD Act or FISA 702.
- Accelerate audits with right to audit flexibility and transparency of evidence available on demand for auditors and regulators.

For BFSI and government, this reduces risk, accelerates digital adoption, and builds confidence that transformation will never come at the cost of compliance.

Sustainability is a core part of your infrastructure strategy. How are innovations like liquid cooling and diamond-cooled servers helping NxtGen build greener data centers for AI workloads?

AI is compute-hungry, and traditional cooling methods simply cannot keep up without burning excessive energy. At NxtGen, we consider this a design principle. We have adopted direct-

to-chip liquid cooling to save up to 400% on power. Run our GPUs more efficiently.

The outcome is that every AI workload, from model training to inference, runs on infrastructure that is both high-performance and climate-conscious.

NxtGen has introduced fractional GPU usage and in-house AI platforms. How are these innovations making enterprise AI more accessible and cost-effective for public sector clients?

The barrier to AI adoption in the public sector has always been cost and complexity. Training and inference at scale are expensive if every organisation has to buy or rent a full GPU. That is why we introduced fractional GPU usage. It allows clients to consume only what they need: half, quarter, or even smaller slices of a GPU without compromising performance. This makes AI workloads as affordable as electricity: pay for what you use, scale when you need.

The second pillar is our in-house AI platforms. Instead of asking public sector clients to navigate fragmented toolchains, we deliver a sovereign, end-to-end stack from model hosting to agent orchestration already aligned with Indian regulations. Whether it's fraud detection in banks, grievance redressal in government, or citizen service chatbots, clients can deploy ready-to-use, compliant AI platforms without massive upfront investments.

Together, these innovations democratize AI. With this assurance, our customers are embracing AI at the same speed as private

enterprises, but with the confidence of sovereign control and cost efficiency.

With NxtGen's defense-grade security partnerships, how is NxtGen enhancing trust and transparency in cloud governance for sensitive sectors like governance and defense?

In sensitive domains like defence and governance, the threshold for trust is far higher than in commercial sectors. Here, compliance on paper is not enough; security must be built into every layer of the cloud. That is why we have partnered with leading global and Indian security providers in firewalls, intrusion detection, encryption, and zero-trust frameworks, bringing defence-grade controls into our sovereign infrastructure.

Ministries, PSUs, and defence clients are operating on NxtGen's cloud with the confidence that their most sensitive workloads are protected by sovereign infrastructure backed by defence-grade security.

Looking ahead to India@2047, how does NxtGen plan to collaborate with startups, academia, and government to build an inclusive, innovation-driven AI and cloud ecosystem?

Our vision for India@2047 is an inclusive ecosystem where startups can scale, students can build, and the government can govern with AI and cloud that are sovereign, transparent, and innovation-first. That is how India will not only participate in the global digital economy but also shape it. Our mission is to build digital self-reliance that empowers every citizen, enterprise, and institution, and for that, collaboration is essential. ■