

Next for the nation's future.

Your partner for technology at scale



Introduction

India is increasing its infrastructure spending, but the energy sector is as complex and competitive as it is critical to the nation. Rapid digitalization will help increase national competitiveness and provide better-connected infrastructure.

At the Adani Group, you've seen dramatic growth over the past decade with exciting, flexible strategies for future investments. But adapting your delivery to best suit the needs of energy and the other markets in which you operate, while keeping your entire group connected and secure, is vital to take this growth further.

NTT can be the partner to support you in developing the connected and flexible tech, data, cloud-to-edge, and application infrastructure your business is looking for. We can help you make the most of major opportunities to digitally transform energy businesses – and deliver IT transformation and managed security for your entire group.





Technology for your entire group – and each business within it

As your partner for scalable technology, we'll deliver a broad strategy for efficiency, agility, and scale – bringing your group together. You'll gain deep capabilities to suit all your technology requirements – across all your business units – from future state applications, network, and infrastructure layers to cloud migration and new services that will unlock the power of your data.

Get support with your decentralization strategy while keeping your group connected. We'll enable each subsidiary within your organization to stay as distributed as it needs to be while delivering standardized and governed cross-business technology.

Our complete, end-to-end digital stack covers everything from consultancy and design through to implementation, including a full suite of managed and support services. Our capabilities unify technology at scale across Adani, through delivering and enabling:

- **Managed network** – including consultancy, managed enterprise networks, and support services
- **Managed private and public cloud services** – with secure-by-design, multi-cloud, platform-as-a-service
- **Managed security services** – including threat intelligence, MDR, SOC as-a-service, and consulting
- **Data center services** – including implementation and fit-out, colocation products, cloud on-ramps, global compliance, and certifications
- **Private 5G networks** – with private 5G-as-a-service integrated into business applications and IoT use cases
- **Edge as-a-service** – computing for mission-critical applications

An infrastructure-led transition to green power generation and energy self-reliance in India

Continually advancing energy infrastructure using digital and connected technologies will enable India to transition away from older fossil fuel businesses towards renewables. You have the strategy to do this – and we can give you the support you need with next-level cohesive and connected digital infrastructure.

We also understand your ambition to help India become a self-reliant, green energy led economy. Together, we can ensure your infrastructure is delivered in record time to meet Net Zero targets. So we'll leverage the depth and strength of IoT, operational visibility, networking, connectivity, and data integration you need to bring your energy strategy to life.

No matter how you develop energy in the future – with greater use of fuel cells, batteries, renewable power generation, green tech, solar and wind integration while phasing out fossil fuel businesses – we'll ensure you have the right embedded, scalable technology to do it.



BW Offshore

With the rapid evolution of the cybersecurity threat landscape, BW Offshore needed a partner to enable them to cut the risk to its IT and OT environments.

The challenge

- With vessels operating around the world, including West Africa, Brazil, the Gulf of Mexico, Asia and Europe, BW Offshore needed to secure their IT and OT environments.
- Each of these vessels contains an IT and OT environment, which, in the past, had been designed with an air gap to keep the systems isolated from each other.
- The modern business environment, however, requires greater visibility into the operational environment, with information around production rates and equipment uptime required by executive teams.

The solution

- Analysis of OT environment, including security policies, standards, processes and controls, creating a full asset database and providing insight into potential risks, allowing them to apply resources and controls in the most effective way and adjust their strategy accordingly.
- Using data from systems onboard the vessels our team of security analysts monitor the telemetry data and alert BW Offshore of any incidents. All data is routed through a central system at their Oslo head office, giving them full visibility of the data from their vessels.
- With access to our global network of security operations centers, BW Offshore can leverage our comprehensive monitoring capabilities and advanced threat detection services. With our insights and next-generation analytics, they can take action to mitigate potential threats before they impact operations.

The benefits

- Leverage advanced threat detection and 24/7 monitoring they can deploy the most appropriate security solution for each of their vessels.
- Leveraging our Security Operations Centers, BW Offshore are notified of any incidents in both their IT and OT environments and any potential impact this might have on production.
- With the potential to extract more data from their production environment BW Offshore can explore the potential that this offers, without incurring additional risk from connecting their OT and IT systems.
- By ensuring the security of their IT and OT systems, they're able to reduce the environmental risk that a cybersecurity incident might create. Leveraging our cybersecurity expertise provides them with skills across both IT and OT environments, minimizing the potential for miscommunication in the event of an incident.



Petrogas

Needed a more sustainable and scalable solution to reduce the risk of data loss in case of an outage at their data center.

The challenge

- In order to address emerging requirements and improve business continuity Petrogas needed a new storage solution with increased capacity and functionality.
- They also needed a platform that was ready for the implementation of virtual desktop infrastructure (VDI), which provides employees with improved collaboration features and functionality.
- They were also looking for a more resilient solution to retain geo-science data backups and provide a robust disaster recovery process for business-critical workloads.
- The Azure platform also provides disaster recovery and offsite backup storage.

The solution

- Following an assessment of their needs we designed a hybrid storage solution comprising both on-premises and cloud-based storage.
- This included a NetApp all-flash storage system running on-premises with an integrated Azure NetApp Cloud Volumes environment.

The benefits

- The all-flash system delivers high performance storage and enterprise-class data services, and the low latency-environment enables them to run VDI workloads with predictable, fast and consistent performance.
- Data is replicated to the cloud creating a remote disaster recovery environment and eliminating the risk of data loss. During maintenance, or in case of an outage at the on-premises data center, they are able to recover data from the cloud.
- The hybrid cloud platform can be managed from a central management interface for controlling data across multiple clouds. The ONTAP management software includes a range of data efficiency technologies allowing them to optimize their investment.
- Through our managed service we take responsibility for the management of the hybrid storage platform, allowing their IT staff to focus on other tasks. We provide 24/7 on-site and remote support, and proactive support services to ensure maximum availability and performance.

Maximize strategic, operational, and technical transformation

With connected technology at scale and support for the unique needs of your entire organization, you'll gain a strategic, operational, and technical advantage – to increase efficiency and achieve your goals.



We'll help you drive better business effectiveness – increasing efficiencies across all areas of technology delivery and driving growth across your group. Together, we can create a more cohesive organization to enable strategic agility, so your business can **pivot quickly based on your needs**. You can also **drive future-state innovation holistically and create new applications, financial products, services, and business models**, faster – and scale them more efficiently. You can also **become more sustainable and move to net zero faster** by decarbonizing the whole business.



We'll help you adapt your technology deployment and delivery more easily to meet changing operational conditions – getting to market faster. You'll drive higher operational efficiency with **consolidated technology, automation, and workflows** – freeing your people to focus on growth and business operations. We'll deliver **the technology resources and capacity you need to consume as you operate**, with high-speed platforms, data, and infrastructure to help you work at speed and accelerate growth.



We'll help transform technology across your diverse group – ensuring it's decentralized and agile while highly standardized and well governed. We handle the **complete management of technology execution, migration, and transformation, including legacy infrastructure**. And you'll have access to advanced core technologies as we'll continually refresh technology and tune it for current and future purposes.



Intelligent, embedded security will protect your business and help maintain compliance and resilience. And we'll **enable decentralized but standardized technology** to drive flexibility, harmonization, and orchestration while supporting each business unit's strategies.

Why NTT is the best partner to deliver for your group

We understand the Indian market, having already [reduced complexity in Daido India's processes](#), [created smarter omnichannel contact centers with Reliance Securities](#), and [enabled multi-cloud business resiliency and security for one of India's largest IT firms](#).

We can use our experience and knowledge across your whole group to deliver connected, appropriate solutions for every market. We're also different from other providers because we have:



A track record for delivering complex and large-scale projects across diverse business units: We'll ensure your business units remain governed, structured, and standardized – no matter how distributed your IT, data, and security infrastructures.



High contractual flexibility that can evolve with your business' needs: We know your needs are many and varied. Our contracts are flexible, and delivery can evolve as needed while still adhering to the same master agreements.



Scale, stability, and depth of capability to support your pace of growth: We're a robust partner for investment – delivering across infrastructure and data, cloud and edge, and networking and security. And we have the capabilities to deliver scalable, repeatable results.



A focus and belief in co-management and co-development: We'll work alongside you, co-owning the development of IPs and programme controls together at a global level.



An outcome-based solution and platform design with human-centric technology: We understand technology and how it best enables people to do their job. Our global execution model means we can flexibly deliver the most appropriate solutions for your needs.



A strong commitment to work towards a more sustainable world: With a 150-year heritage of using technology for good, we're helping our clients reach net-zero by 2030 and building circularity and regenerative principles into the heart of our operations.

Meeting your complex needs – today and into the future

As your partner for scalable technology, we'll support you with consultancy, design, implementation, and management to accelerate your energy strategy and optimize your entire group. We understand that each of your business units has its own individual requirements and goals, so we'll help you address them individually while making them better connected.

Together, we can maintain the exceptional growth you've seen over the past decade, and ensure you capitalize on exciting new opportunities for the nation's future.



