

Delivering value Manufactured Capital

Our Manufactured Capital includes our energy-efficient offices, data centers, innovation hubs, digital studios, and our technology infrastructure across the globe. Our infrastructure is modeled taking into consideration stakeholder expectations of our commitments towards climate change mitigation, judicious use of natural resources and preserving our environment.

With the highest-rated green buildings on our campuses and investments in collaborative tech infrastructure, we offer productive, safe, healthy and future ready workplaces for employees, clients, partners and contractors.

Performance highlights

70 kWh/sq.m./p.a.

Building EPI

Radiflux

Radiant cooling solution patented in Europe and India

1.55

Weighted average PUE of data centres

Retroshade

Building retrofit shading solution patented in India

68%

Of internal IT application workload migrated to public cloud

Innovative climate measures

Infosys is a pioneer in implementing innovative solutions to achieve reduction in energy and water. From implementing the first radiant cooled office building in India in 2010, constructing the largest prefabricated office building in India in 2019, to integrating art and science to design one of our most efficient buildings in 2023, we have demonstrated that innovation is essential to achieve transformational savings.

Some of our innovative climate measures to create sustainable infrastructure include:

- Radiant cooling system, which is about 50% more efficient than regular air-conditioning and ensures healthier spaces too
- Retroshade device, which allows fully-glazed buildings to adopt external shading to effectively cut off direct sun and heat
- Water from air conditioning systems (condensate), is collected in a separate tank and utilized in cooling towers for air conditioning, saving water and energy.
- Other measures like data-driven design, use of technology for design optimization, climate responsive architecture, use of systems adapted to local

Material topics

- Green buildings / infra / data center efficiency
- Workplace transformation
- Green IT

UN SDG mapping



conditions, high-efficiency equipment and continuous monitoring at granular level for building performance parameters remotely.

High-performance green buildings

Our green buildings are a testimony to our commitment to minimize impact on the environment even while building world-class facilities. We have about 29.6 mn sq.ft. of the highest level of green building certification but the differentiator is that we ensure the building performance is maintained through accurate monitoring, thereby making our buildings truly green.

Workplace transformation

Infosys embarked on workplace transformation with new design principles for a reimagined office catering to the new normal. Our new design focuses on health and wellbeing, productivity, social connect and inclusiveness, while also ensuring environmental sustainability.

Additionally, as part of our strategy to distribute economic growth, tap into diverse talent pools, contain the explosive growth of tier 1 cities, and make it convenient for employees based in tier 2 and tier 3 cities in India to come to office, we have set up offices in Hubballi, Indore, Nagpur, Coimbatore, Noida and Visakhapatnam. We also opened offices in Kolkata and Navi Mumbai this year.

Green IT

InfosysIT has embedded sustainable practices across the lifecycles of service design, operations and disposal of IT assets.

Data center efficiency

InfosysIT has taken up data center modernization as a strategic initiative. Density-optimized hyperscale platforms have been deployed to deliver high-density server virtualization and consolidation across the enterprise. The hyperscale private cloud platforms provide cloud-scale agility and enables efficient resource pooling and utilization. This initiative has delivered significant power savings and drastically reduced the total cost of ownership for the organization.

InfosysIT has made focused investment on Data Center Infrastructure Management (DCIM)

tools to get accurate visibility across the entire data center IT and facility stack. DCIM provides environmental (temperature, humidity, air flow), power (at the device, rack, zone and data center level) and cooling data. This information can be used to alert the Management when thresholds are exceeded, reducing repair time and increasing availability. Data center standards are revised with a focus on delivering industry-leading PUE and will be integrated with DCIM through Smart PDUs for providing a unified view of IT and facility subsystems.

We have modernized our enterprise storage platform to be energy-efficient. We provide around 1.8PB of storage capacity for employees, projects, and internal requirements on all flash storage with fabric pool and storage grid technology.

We introduced Hybrid cloud storage which is helping us in creating savings compared to on-premise data center while providing high availability.

Infrastructure as code

Infrastructure as code is a transformational initiative towards enabling continuous deployment and integration, and touch-less management of the life cycle of infrastructure components. This methodology overcomes the traditional challenges such as growing scale of infrastructure, elastic demand, speed and consistency of deployment, rapid disaster recovery, and the interdependency between teams.

AIOps-powered digital operations

InfosysIT has deployed AIOps platform with a wide range of capabilities – like algorithmic noise reduction, anomaly detection, root cause analysis, and context-

based notification. InfosysIT digital operations provides unified observability cutting across infrastructure and application stack, in addition to capacity usage and cost analysis. It also offers the ability to ingest large volumes of data originating from all areas of the infrastructure and application, and analyze it using AI and ML algorithms to identify areas of remediation and optimization.

PolyCloud and OneStop

We have introduced the OneStop unified provisioning platform for endpoints, clouds, software, and tools. The OneStop platform lets project managers request IT hardware and software in advance, enabling new hires to be productive on Day One. The IT Genie intuitive app in the laptop helps users self-configure basic applications, reducing interactions with the IT Support team.

The PolyCloud digital backplane provides an abstraction of managed private clouds and public cloud services, including GPU instances for AI workloads, empowering full stack developers to drive AI-first enterprise initiatives.

Public cloud adoption

Majority of internal IT applications have been moved to public cloud infrastructure. All employees have access to the cloud-based platform for collaboration like messaging, presence, video, and other requirements. Additionally, they now have cloud-based unified internet access and secure private access.