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 hybrid workplaces for employees, clients, partners and contractors.

Performance highlights

75 kWh/sq.m./p.a.
Building EPI

1.59
Weighted average PUE of data centres

68%
Of internal IT application workload migrated to public cloud

Radiflux
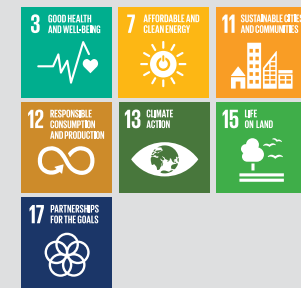Radiant cooling solution patented in Europe and India

35 mn sq.ft.
Of office space monitored through Infosys command center

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

UN SDG mapping

3 GOOD HEALTH AND WELL-BEING
7 AFFORDABLE AND CLEAN ENERGY
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
15 LIFE ON LAND
17 PARTNERSHIPS FOR THE GOALS

High-performance green buildings

The lush green campuses of Infosys, equipped with world-class infrastructure, provides a unique experience for our employees. With about 28.9 million sq.ft. of the highest level of green building certification, Infosys' leadership in high-performance buildings remains unrivaled. Our efforts include developing super-efficient new buildings, retrofitting existing buildings, a sharp focus on innovation and continuous monitoring to achieve the highest levels of efficiency. Infosys' building standards have set new global benchmarks.

Radiant cooling

Infosys has been a pioneer in radiant cooling technology. Our building in Hyderabad was the first radiant cooled commercial building in India. The building provided a global case study comparing two cooling technologies in a single building with identical conditions. Data over the past 12 years has shown that radiant cooling is about 35% more efficient than conventional air conditioning. Today, Infosys has implemented radiant cooling in over 5 million sq.ft. of office space across its buildings in India.

Radiflux cooling solution

While Infosys was keen to implement radiant cooling on a large scale for all its new buildings, there were a few challenges that had to be addressed including, the non-availability of skills and the lack of commercially viable options for the Indian market. The Infosys team therefore developed a radiant cooling solution, with high quality and high energy efficiency, that is affordable and easy to install. The radiant cooling solution – Radiflux – has twice the cooling capacity compared with other radiant cooling solutions available in the market today. Radiflux is a designed, developed and made-in-India solution for the world, with patents in Europe and India.

Central command center

The Infosys central command center in Bengaluru manages our smart buildings, energy management systems, solar PV plants, data center efficiency, battery management systems, energy consumption for water and wastewater treatment plants across Infosys campuses from one location. The command center helps maintain operational excellence, provides design insights for new infrastructure and ensures resilience through remote management of buildings and campus Infra.

Workplace transformation

The workplace has undergone a significant change due to the pandemic, and the need to create workplaces aligning to the new normal working scenario is now more evident than ever. Infosys embarked on workplace transformation to enable its employees to adapt and excel in the new normal. The principles of Infosys workplace strategy are focused on productivity, social connect, tech enabling, health and wellness, sustainability and design for all. The new workplace not only provides employees with a refreshing experience and collaborative environment, but also enables high productivity, fosters innovation and helps to create and sustain a flourishing culture.

Green IT

InfosysIT has embedded sustainable practices across the life cycles 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, which provide cloud-scale agility and enable efficient resource use, have been deployed to deliver high-density server virtualization and consolidation across the enterprise. This initiative has delivered significant power savings. In the next phase, further consolidation of data center and server rooms across development centers is planned, which is expected to deliver 1 MW of electrical load reduction.

InfosysIT has made focused investments in Data Center Infrastructure Management (DCIM) tools to get accurate visibility across the entire data center IT and Facility stack, which is necessary to do everything else.

Infrastructure as code

Infrastructure as code is a transformational initiative towards enabling continuous deployment, continuous 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 and the interdependency between teams. This initiative delivered 1,200+ playbooks for automating platform-related processes across hybrid cloud.

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, ML and DL 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, empowering full stack developers.

Public cloud adoption

Currently, more than 68% of the internal IT application workload has been migrated to public cloud. All our employees have been enabled for cloud-based collaboration for messaging, presence, video, and other requirements. The shift to cloud helped in optimizing the on-premises data center footprint. This strategic shift also helped to scale up the infra on demand and provision IT services seamlessly for all the new hires inducted to the organization. The Internet-first approach helped to provide seamless service access in the current hybrid work environment.