



# Sustainability Analytics Hub

A PwC Product

An integrated platform for  
sustainability evaluation of real  
estate and infrastructure projects



# Your challenges



Is your company handling infrastructure and real estate projects according to the Government-outlined sustainability demands?



Do manual reporting and tracking of sustainability performances take up considerable workforce?



Are your sustainability data collection and analytics processes 'investment-grade'?



Do you have an adequate automated analytics service to remediate or create higher sustainability performance on your projects?



Do you have a vision for your sustainability objectives?

# Our solution

Sustainability Analytics Hub is an integrated platform for the sustainability evaluation of all kinds of real estate and infrastructure projects such as retail, commercial, hospitality, airports, healthcare, warehouses, special economic zones (SEZs) and data centres. The platform works on the concept of creating a digital twin for new as well as existing facilities, which can help in real-time benchmarking of sustainability performance on:

- resource efficiency
- livability
- design performance
- economics.

## Why do you need it?



With more accurate analytics, sustainability can help companies to reduce their operating costs and insulate themselves from resource shortages and price shocks.



Companies struggle to quantify the material risks associated with sustainability. This is an issue because they cannot prioritise risk-mitigation strategies.



Most companies lack strategic management to identify environmental risks and opportunities which occur due to unquantifiable factors.



Creating reports for sustainability analysis is complex and thus deters businesses – even though it reduces costs.



Meeting the reporting requirements is a major concern and often serves as a distraction from the business objectives.



# Sustainability Analytics Hub: Modules

1

## Resource efficiency

- Energy baselining and benchmarking
- Low-carbon heating, ventilation and air-conditioning (HVAC) solution
- On-site RE integration
- Water-use reduction

3

## Design performance

- Site-specific analysis and studies
- Studies on site location
- Concept-level building-design assessment

2

## Livability

- Thermal comfort and daylighting
- Indoor air quality
- Interior lighting
- Climate resilience

4

## Economics

- Comparing the costs of various green strategies to select the most cost-effective option

## Value proposition

### Features



#### Environment and sustainability:

- Resource optimisation (energy, water and waste)
- Net-zero mandate – scope 1 and 2 emission reduction



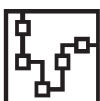
#### Design assistance on:

- Form, massing and orientation
- High-performance building envelope
- Occupant's thermal and visual comfort



#### Investments:

- Set goals for sustainable investments
- National/international benchmarking
- Material impact assessments to build architectural trust



#### Facility management and operations:

- Efficient low-carbon comfort systems
- Smart building technologies
- Indoor air quality, building management

### Benefits



#### Low capex:

Lower capital expenditure through environmentally sustainable designs



#### Low opex:

Lower operational expenditure through energy and water efficiency



#### Carbon credits:

Envisage net-zero energy pathway, environmental, social and governance (ESG) strategy to earn carbon credits



#### Higher rental value:

Assess impacts and building trust within society for increased visibility and higher rental values



#### Readiness of facilities:

Integration of smart technologies in buildings, resulting in readiness of facilities

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