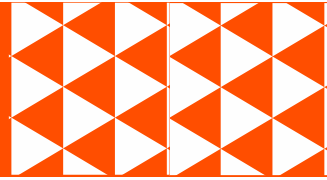


# ISO 50001 - ENERGY MANAGEMENT



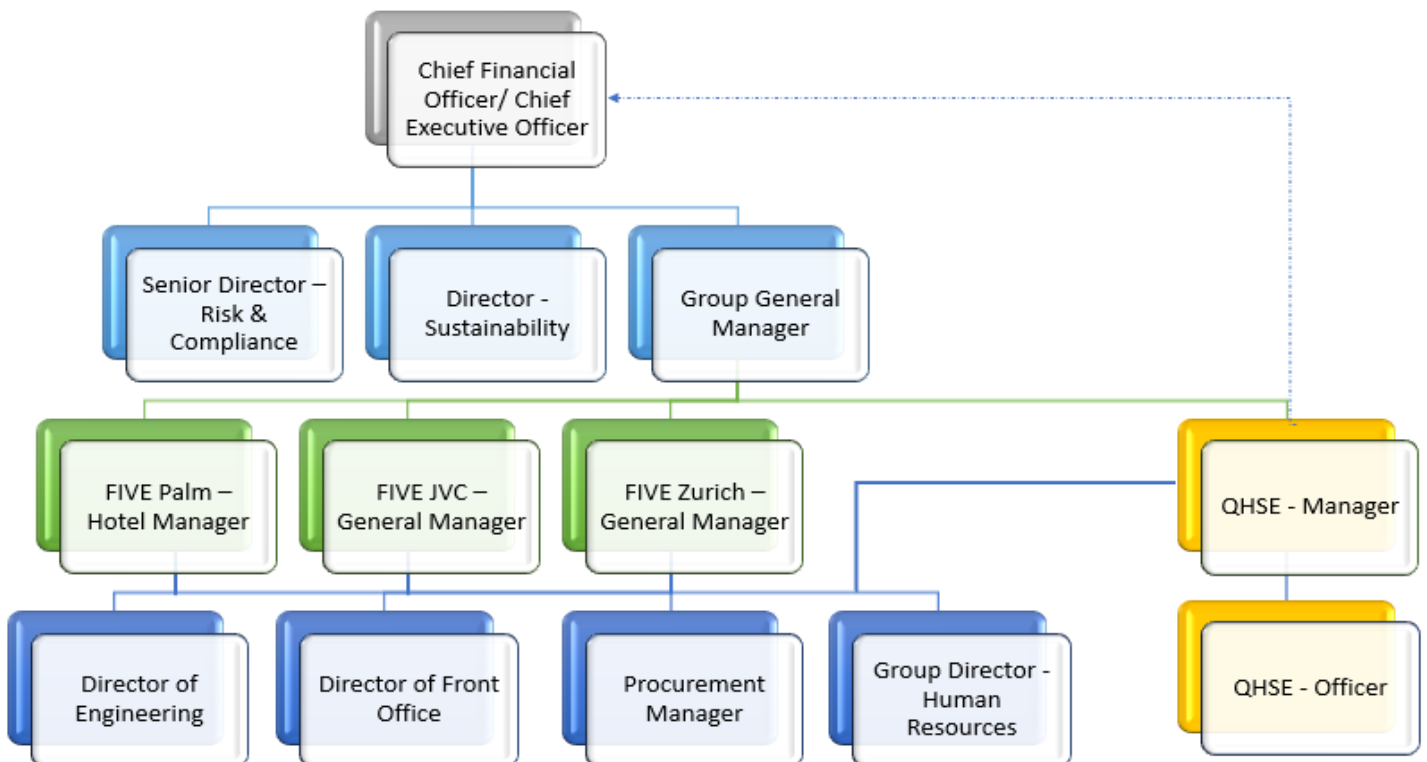
## Energy Management Policy – ISO Manual

Energy forms the cornerstone of FIVE’s commitment to sustainable and climate-conscious operations. We are dedicated to implementing responsible energy consumption practices using energy-efficient technologies, conducting regular energy audits, and prioritizing renewable energy sources in our future plans. Our Energy Management System is certified to the ISO 50001:2018 standard. For managing energy at all FIVE facilities and sites, FIVE has prepared an Energy Management System (EnMS) manual to manage energy in line with the International Standard for Energy Management Systems ISO 50001:2018. FIVE has implemented, maintains, and monitors an Energy Management System (EnMS) to promote, sustain and continually improve its Energy performance and reduce the conventional fuel usage as probable as possible: by determining the internal and external issues that are relevant to its purpose and that affect its ability to achieve the intended outcome(s) of its EnMS and improve its energy performance.

The scope of the EnMS includes all the activities, operations and services associated with employees, customer/ guests and visitors/ contractors at the FIVE properties. The energy plan covers electricity, chilled water, process fuel and on-site vehicle fuel for all the FIVE properties.

## Organization Structure – ISO 50001

FIVE has created an organization structure where information for consumption of electricity, chilled water, fuel (including gas, refrigerants, and vehicle fuel – petrol and diesel) and minimization of carbon emissions is obtained from the Engineering, F&B, Front Office, Housekeeping, Procurement and managed by the QHSE Manager, Director of Sustainability reporting to the CFO.



## Roles and Responsibilities

The EnMS Team (as mentioned above) manages the energy management activities and reports to the management on a quarterly basis on the following key matters:

- Energy standards (ISO 50001)
- Energy Compliances and legislations
- Water management, including drainage
- Waste Management (reduce, reuse, recycle and disposal)
- Sustainable buildings and infrastructure
- Facilities / Amenities Management
- Sustainable procurement, including Fairtrade
- Pollution minimization
- Community involvement
- Sustainable travel

Overall key responsibilities of the EnMS team are as follows –

- Formulate and recommend to the FIVE Top management on energy policies, processes, and programs for implementation, to achieve compliance with legislation, permits, consents and good practice
- Ensure the full implementation of the energy policies, processes and programmed by means of monitoring and audit, and reporting to the FIVE properties top management
- Take appropriate action where policies, standards or targets are not being met.
- Recommend to the FIVE top management, the level of resources required to facilitate effective energy management at the FIVE properties
- Integrate energy management system requirements into FIVE business processes.
- Receive progress reports from the DOE/ Energy management Team, and relevant bodies and working groups on compliance with policies and progress of programs.
- Support the development and sharing of good practice
- Develop and deliver an action plan, identifying priorities from within the Terms of Reference
- Review progress against the plan at each meeting; and
- Develop, implement, and monitor a FIVE sustainability plan and report to FIVE

Role-wise roles and responsibilities are as follows:

Designation	Principal responsibilities/ duties
COO/ CFO	<ul style="list-style-type: none"> <li>• Provide guidance to the EnMS team on effective energy management practices</li> <li>• Monitor progress against existing energy management targets and support in the development of new targets</li> <li>• Provide approval for any energy management initiatives to be taken (approval of initiatives, costs)</li> <li>• Support the Group General Manager in decision-making during emergency situations and approval of key documentation</li> </ul>
Group General Manager	<ul style="list-style-type: none"> <li>• Increases management's effectiveness by recruiting, selecting, orienting, training, coaching, counselling, and disciplining managers; communicating values, strategies, and objectives; assigning accountabilities; planning, monitoring, and appraising job results</li> <li>• Develops strategic sales plan by studying business opportunities</li> <li>• Contributes to team effort by accomplishing related results as needed.</li> <li>• Taking decisions during emergency situations or recall</li> <li>• Providing facilities to improve energy management practices</li> <li>• Chairing management review meetings</li> <li>• Approving documents and procedures</li> </ul>
General Managers (including Hotel Managers)	<ul style="list-style-type: none"> <li>• Increases management's effectiveness by recruiting, selecting, orienting, training, coaching, counselling, and disciplining managers; communicating values, strategies, and objectives; assigning accountabilities; planning, monitoring, and appraising job results</li> <li>• Managing employees and for planning, marketing, coordinating, and administering hotel services such as catering and accommodation facilities</li> <li>• Making sure that all areas of a hotel environment run smoothly and work together successfully</li> </ul>
QHSE Team (Manager and Officer)	<ul style="list-style-type: none"> <li>• Ensuring the QHSE is established, implemented, maintained and updated</li> <li>• Managing and organizing the work of the QHSE team</li> <li>• Ensuring relevant training and competencies for the QHSE team (including energy related trainings)</li> <li>• Reporting to top management on the effectiveness and suitability of the QHSE.</li> </ul>

	<ul style="list-style-type: none"> <li>• Ensures that the establishment maintains policies and procedures for all employees to follow QHSE system</li> <li>• Providing effective supervision in implementing QHSE practices, conduct regular inspection of the organization, address potential risks, and, where necessary, take appropriate corrective action.</li> <li>• Conducting internal audits for the facility</li> </ul>
<p>Director of Sustainability</p>	<ul style="list-style-type: none"> <li>• Work with the QHSE team and the Engineering team for the successful implementation of Energy management system</li> <li>• Responsible for ensuring that organizations set and meet environmental goals. They develop green policies and initiatives that emphasize the proper use of environmental resources with a focus on sustaining these resources for future generations</li> <li>• Overall responsibility for facilitating the implementation of and promoting continual improvement of the EnMS at the FIVE properties.</li> <li>• Advising and assisting senior management on the development and implementation of the Energy Policy, Objectives and Targets.</li> <li>• Preparing and delivering reports covering the status of the EnMS including energy compliance, progress against Objectives and Targets, system audits and corrective action status for consideration during the management review process.</li> <li>• Developing and implementing procedures and/or work instructions to ensure that all necessary data are collected, recorded, and reported to ensure statutory compliance.</li> <li>• Ensuring EnMS documentation is established and maintained.</li> <li>• Developing and maintaining a register of energy intensive equipment</li> <li>• Promoting energy efficiency.</li> <li>• Managing EnMS surveillance audit visits by the external certifying body and arranging for internal audits to take place.</li> <li>• Ensuring energy awareness of all staff and students is kept up to date including, where appropriate, delivery and making records of general and specific energy training.</li> <li>• Management of non-conformity issues from audit reports and other sources in collaboration with relevant staff.</li> <li>• Maintaining an up-to-date knowledge of UAE / Federal energy legislation and informing/advising management on compliance</li> <li>• Delivering a behaviour change program covering carbon reduction, recycling, sustainable transport and other environmental improvements through new-hire orientations and sustainability townhalls</li> </ul>
<p>Director of Engineering</p>	<ul style="list-style-type: none"> <li>• Ensuring implementation of the energy management initiatives throughout the facilities</li> <li>• Monitoring progress against the defined energy management targets</li> <li>• Maintaining an information system covering the data required to comply with statutory requirements and FIVE targets for Carbon, Energy and Environment</li> <li>• Inspecting and assessing the work done by the electrical staff</li> <li>• Coordinate with emergency team during emergency situations</li> <li>• Reading and interpreting design schematics to ensure the proper installation of electrical systems.</li> <li>• Troubleshooting major system failures and equipment malfunctions.</li> <li>• Repairing and maintaining electrical equipment</li> <li>• Acting as the main link between the Sustainability Manager and top management for Energy management.</li> <li>• Formulating and recommending to the top management, energy policies, procedures, and programs for implementation, to achieve compliance with legislation and good practice.</li> <li>• Ensuring the full implementation of the energy and environment policies, procedures and programs by means of monitoring and audit, and reporting to the EnMS Team</li> <li>• Taking appropriate action, where standards or targets are not being met.</li> <li>• Receiving progress reports from the Energy management Team, and relevant bodies and Working Groups on compliance with policies and progress of objective programs.</li> <li>• Supporting the development and sharing of good practice</li> <li>• Allocating budgets for training and EnMS maintenance</li> <li>• Performing inspections and audits for the facility on energy efficiency procedures</li> </ul>
<p>Group Director of Human Resources</p>	<ul style="list-style-type: none"> <li>• Planning HR and administration activities</li> <li>• Planning and implementation of sustainability trainings for all new-hire employees to raise awareness on energy and sustainability initiatives</li> </ul>

Procurement Manager	<ul style="list-style-type: none"> <li>• Responsible for evaluating suppliers, products, and services, negotiating contracts, and ensuring that approved purchases are cost-efficient and of high quality</li> <li>• Take initiatives to highlight/ discuss with Engineering team for purchase of high-efficiency energy appliances and selection of suppliers with sustainability initiatives</li> <li>• Estimate and establish budgets for purchases</li> <li>• Make professional decisions in a fast-paced environment</li> <li>• Maintain purchase records</li> <li>• Provide inputs to the Director of Engineering and Director of Sustainability on energy-efficient purchases</li> </ul>
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## Energy Use Intensity Metrics

### Carbon Use Intensity

FPJ, FJV

Category	Unit of Measurement (UoM)	Year			
		2020	2021	2022	2025 (Targeted)
<b>Carbon Emissions</b>					
Electricity	KgCO <sub>2</sub> e	10,483,816	10,374,066	-	
Chilled Water	KgCO <sub>2</sub> e	6,133,808	6,258,028	5,815,285	
Gas	KgCO <sub>2</sub> e	1,978,414	2,152,677	2,036,718	
Refrigerants	KgCO <sub>2</sub> e	364,328	727,508	1,067,552	
Fuel	KgCO <sub>2</sub> e	147,020	174,055	128,370	
DG sets	KgCO <sub>2</sub> e	2,761	2,779	2,772	
<b>Total Emissions</b>	<b>KgCO<sub>2</sub>e</b>	<b>19,110,147</b>	<b>19,689,113</b>	<b>9,050,696</b>	
Total Emissions in metric tonnes	MtCO <sub>2</sub> e (KgCO <sub>2</sub> e/1000)	19,110	19,689	9,051	
Revenue	AED	440,161,027	757,679,997	875,217,298	
<b>Carbon Use Intensity</b>	<b>MtCO<sub>2</sub>e/ AED in millions</b>	<b>43.42</b>	<b>25.99</b>	<b>10.34</b>	<b>6.51</b>
% Reduction from baseline of 2020	Carbon Use Intensity (Year) (-) (for 2020)/ Carbon Use Intensity (2020)		<b>40%</b>	<b>76%</b>	<b>85%</b>

\*FIVE has received I-REC Certificates with regards to FPJ and FJV 2022 Hotel Electricity wherein 100% of the Hotel Electricity has been supplied by Renewable Sources (i.e. DEWA Solar). This has aided in substantial reduction of our carbon emissions for 2022.

FIVE Zurich

Category	Unit of Measurement (UoM)	Year	
		2022	2025 (Targeted)
<b>Carbon Emissions</b>			
Electricity (A)	KgCO <sub>2</sub> e	56,275	
Gas (B)	KgCO <sub>2</sub> e	23,905	
Fuel (C)	KgCO <sub>2</sub> e	44,507	
Refrigerants (D)	KgCO <sub>2</sub> e	802	
<b>Total Emissions (A+B+C+D)</b>	<b>KgCO<sub>2</sub>e</b>	<b>125,488</b>	
Total Emissions	MtCO <sub>2</sub> e	125.49	
Revenue	AED	41,179,000	
<b>Carbon Use Intensity</b>	<b>MtCO<sub>2</sub>e/ Revenue in AED million</b>	<b>3.05</b>	<b>2.89*</b>

\*Since FIVE Zurich consumption is only for a period of six months, we do not have a year's target to set a target from the baseline year. However, on an estimate basis we are targeting a minimum of 5% reduction over the existing carbon use intensity computed by 2025.

### Electricity Consumed Per Capita

Category	Unit of Measurement (UoM)	Year			
		2020	2021	2022	2025 (Targeted)
Electricity consumed	KwH	26,209,541	25,935,164	26,512,784	
Revenue	AED	440,161,027	757,679,997	875,217,298	
Covers	Count	855,984	1,194,271	1,337,470	
Electricity Use Intensity	KwH/AED in millions	59,545.35	34,229.71	30,292.80	
Electricity Consumed per capita	KwH/Cover	30.62	21.72	19.82	18.4
% Reduction from baseline of 2020	Electricity Use Intensity (Year) (-) (for 2020)/ Electricity Use Intensity (2020)		29%	35%	40%

FIVE Zurich

Category	Unit of Measurement (UoM)	Year	
		2022	2025 (Targeted)
Electricity consumed	KwH	14,42,937	
Revenue	AED	41,179,000	
Covers	Count	66,567	
Electricity Use Intensity	KwH/AED in millions	35,040	
Electricity Consumed per Capita	KwH/Cover	21.68	20.59

Limited Assurance

We have obtained a limited assurance from an external consultant ‘EY’ on the KPI of Electricity Consumed Per Capita and Carbon Use Intensity (which includes electricity, chilled water, gas, refrigerants, and fuel consumption) for the last three years 2020, 2021 and 2022. Detailed methodology of computation and assurance report, refer the DEFRA (GHG protocol) document and the EY assurance report document.

Energy Management and Reduction Measures

To reduce our carbon footprint, FIVE has transitioned to an EV Guest Transportation System, adopted a 100% LED lighting system, and installed a smart Guest Room Management System (GRMS), as well as timer and motion-sensor controlled lighting, including outdoor photocell lights. All our properties incorporate extensive greenery to mitigate the Heat Island Effect, supporting carbon-free cooling and nature-based solutions. Additionally, we have installed a total of 304 rooftop solar panels at FIVE Palm Jumeirah on the path towards increasing our renewable energy consumption per capita by 10% by 2030, compared to a 2022 baseline of 0.10 (kWh/cover). Few

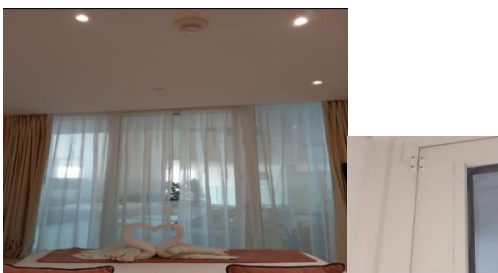
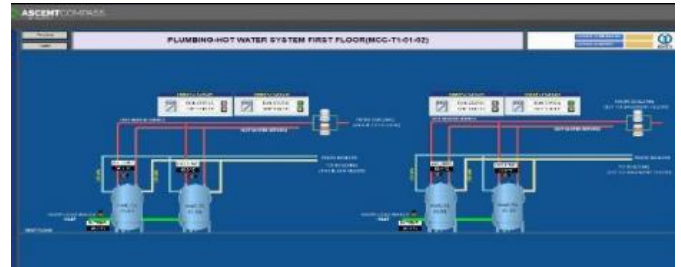
**EV vehicles** such as Tesla cars and EV buses are being used as alternative transportation modes for guests and staff for the purpose of reducing fuel consumption.

In addition, FIVE also encourages green transportation by **utilization of the green bikes** at the facility’s premise



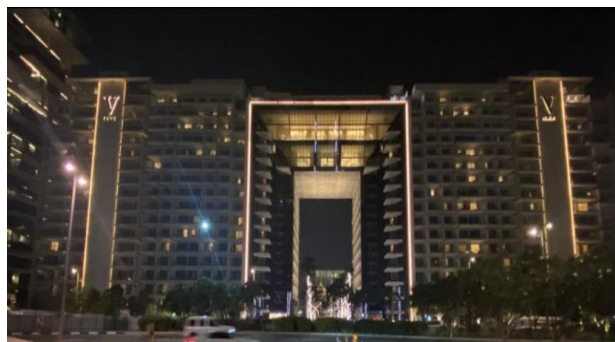
of the measures are stated as follows:

**Building Management System** can control the entire building's HVAC system, plumbing and electrical systems, chilled water systems, hot water system, elevator monitoring, gas monitoring to effectively manage the flow of these utilities across the property



**Motion-sensor lobby lights and guest room balcony door contact** are implemented by FIVE across its properties to reduce consumption of electricity and chilled water.

Through the implementation of turning off ACs on opening of the balcony door, the potential savings of 2-5% shall be gained in the Chilled Water Consumption



**External Lighting System** with automation of the entire façade and garden lighting system, with glow control based on climatic conditions. All external lights are facilitated with LED lights and fixtures

For further details on energy management measures, refer the 'Energy Reduction Measures' and the 'Sustainability presentations' for the respective properties.

**Purchase of energy-efficient appliances for cleaning and daily activities**



The "All-In-One" feature combination with highest efficiency and ultra-low noise

**TASKI AERO 8 PLUS and 15 PLUS**  
 The TASKI AERO 8/15 PLUS high-efficiency vacuum cleaner uses state-of-the-art technology and has a super-efficient motor. With the patented TASKI whisper technology, the vacuum cleaner works ultra-silently. Based on a synthesis of technology and functional design, the PLUS series offers unmatched ease of use combined with a unique range of features. What's more, replacement of parts such as cables and filters is simplified by clever design and can be carried out by the user in seconds without the need for any tools.

- TASKI AERO 8/15 PLUS brings you:
- Advanced features in a unique combination
  - Sustainable high-efficiency concept with Eco function
  - Ultra-silent TASKI whisper technology
  - Designed and tested according to operational best practice

- Advanced features in a unique combination**  
 The TASKI AERO PLUS range offers a unique combination of features for unrivalled efficiency and ease of use. The combination of integrated cable winding, full dust bag indicator and eco mode guarantees highly productive and excellent cleaning in any environment and at any time of day. All these features are based on reliable tried and tested technologies.
- Sustainable high-efficiency concept with Eco function**  
 The new TASKI AERO tub vacuum cleaners are highly efficient and use a 585W state-of-the-art vacuum motor, which delivers the same cleaning performance as vacuums with 900W or more. In addition, the TASKI AERO PLUS has an eco button which reduces energy consumption to 295W. As a result, the vacuum cleaner saves significant amounts of energy and reduces CO2 emissions without compromising on cleaning results at all.
- Ultra-silent TASKI whisper technology**  
 Thanks to an innovative and patented TASKI whisper technology system, the TASKI AERO is extremely quiet. This low noise level means it can be operated in any environment at any time of day or night. With the eco-mode button, noise emissions can be reduced to a minimum, setting a new standard in professional cleaning.



**Objectives, Targets and Action Plans**

For continuing our initiatives towards effective management of energy in line with our Strategic Sustainability Targets (as per the Green Finance Framework), we have set a target to reduce carbon use intensity (greenhouse gas emissions) by 85% by 2025 compared to 2020 baseline. We have developed the following objectives, targets, and action plans –

**Greenhouse gas emission reduction targets**

Objective	Target	Action Plans	Responsible Person	Frequency
Enhancing the energy, water, and resource efficiency of our operations	Reduce carbon use intensity by 85% compared to the baseline of 2020	<p><u>Purchased Electricity</u></p> <p><b>All properties</b></p> <ul style="list-style-type: none"> <li>• Increase the scope of Renewable Energy beyond purchased electricity</li> <li>• For off-setting carbon emissions, implement the process of obtaining carbon emission contribution from the company's guests to off-set their carbon emission</li> <li>• Expand implementation of sensor-based lighting to reduce wastage of electricity in all office rooms</li> <li>• Shut down computers and printers out of office hours</li> <li>• Spread energy saving awareness through emails, awareness posters, sustainability new hire orientation trainings and sustainability townhalls (quarterly)</li> <li>• Install electric fan in AHU (Air Handling Unit) to reduce lost energy inefficiencies, subsequently implement for Kitchen Exhaust</li> </ul> <p><b>FJV</b></p> <ul style="list-style-type: none"> <li>• Install electric fan AHUs to improve energy efficiency of airduct system</li> <li>• Implement proposal on JVC Rooftop solar project</li> <li>• Install in-built motion sensor light tubes</li> <li>• Install timer-based lighting for guest room balconies</li> </ul> <p><u>Gas</u></p> <ul style="list-style-type: none"> <li>• Phase out gas boilers to install high efficiency electric heat pumps</li> </ul> <p><u>DG Sets</u></p>	Director of Engineering, Sustainability	As and when



		<ul style="list-style-type: none"> <li>• Install flow meter gauges on DG Sets to track generator diesel consumption</li> </ul> <p><b>Refrigerants</b></p> <ul style="list-style-type: none"> <li>• Install meters on Refrigerant cannisters to track actual consumption</li> <li>• Evaluate more carbon efficient substitutes to refrigerant inventory</li> </ul> <p><b>Fuel</b></p> <ul style="list-style-type: none"> <li>• Continue and improve the ratio of EV mode of transportation to reduce fuel consumption</li> </ul> <p><b>Chilled Water</b></p> <ul style="list-style-type: none"> <li>• Build arrangement to periodically switch off AC in Head Office out of hours</li> </ul>		
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Energy saving targets and action plans

Objective	Target	Action Plans	Responsible Person	Frequency
<b>Electricity Consumption</b>				
Enhancing the energy, water, and resource efficiency of our operations	Reduce electricity consumed per capita by 40% from the baseline year of 2020	<p><b>All properties</b></p> <ul style="list-style-type: none"> <li>• Expand implementation of sensor-based lighting to reduce wastage of electricity in all office rooms</li> <li>• Shut down computers and printers out of office hours.</li> <li>• Spread energy saving awareness through emails, awareness posters, sustainability new hire orientation trainings and sustainability townhalls (quarterly)</li> <li>• Install electric fan in AHU (Air Handling Unit) to reduce lost energy inefficiencies, subsequently implement for Kitchen Exhaust</li> </ul> <p><b>FJV</b></p> <ul style="list-style-type: none"> <li>• Implement JVC Rooftop solar project</li> <li>• Install in-built motion sensor light tubes</li> <li>• Install timer-based lighting for guest room balconies</li> </ul>	Director of Engineering, Sustainability	As and when

Awareness Trainings and Programs

We provide awareness trainings to all our employees through new-hire orientations, sustainability townhalls to raise awareness on topics such as saving energy (switching off lights and appliances when not in use), reduction of energy use across the facility, and to provide recommendations to implement further measures on reducing energy consumption across the properties.



## Sustainability Townhalls



Director of Sustainability providing a training on sustainability as a part of quarterly townhalls



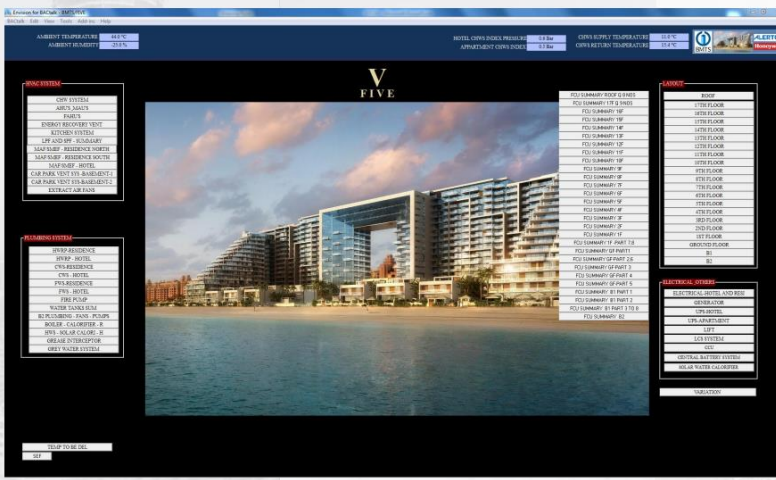
Awareness on sustainability and announcement of winners for the 3R (Reduce, Reuse, Recycle) program

## Data Compilation and Recording

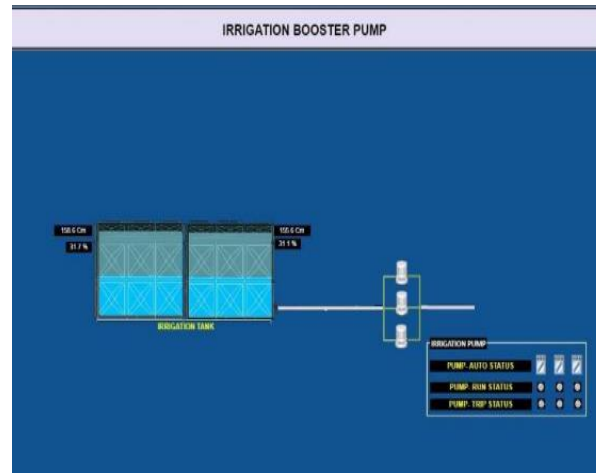
FIVE has implemented comprehensive building management systems (BMS) and guest room management systems which helps in recording data of all the rooms for consumption and helps identify any issues, leaks, excessive consumption, temperature regulation across the rooms, managing use of chilled water, HVAC, etc.

### Building Management System

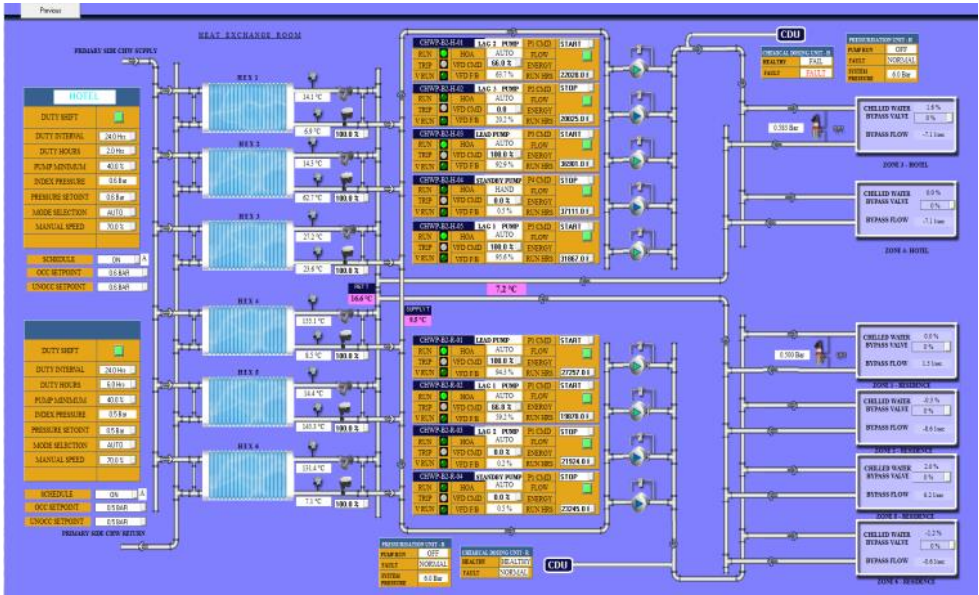
This system can control and record the entire building's HVAC system and numerous plumbing and electrical systems. This includes monitoring over hot water, chilled water, elevators, plumbing, irrigation, and gas.



Chilled Water System

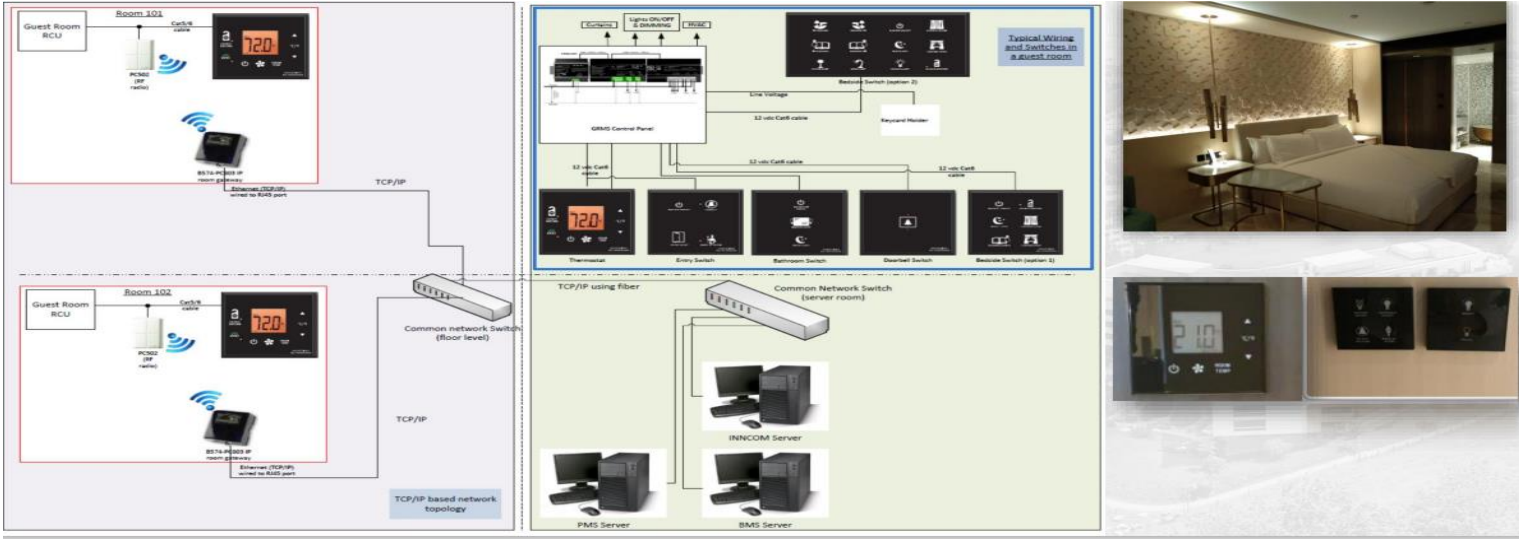


Chilled water pumps remain functional based on pressure differences and according to the necessities of peak hours and normal hours. The pumps remain functional at a default operating index pressure without compromising the cooling demands.



### Guest Room Management Systems

Guest Room Management System (GRMS) are in place in all hotel rooms. 1 Bedroom, 2 Bedroom, 4 Bedroom works on card entry system. Further, based on 'Occupancy' change status, the room operates as per pre-configured operations (for electricity – lighting and others). Motion sensors are in place to make changes to the room settings based on room 'occupied' status. All rooms are supported by control touch panels.

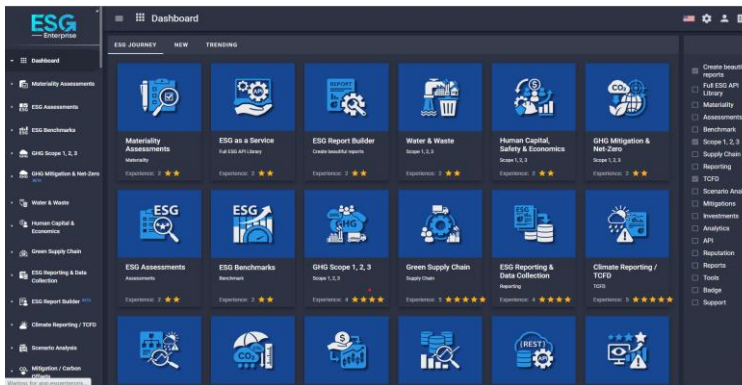
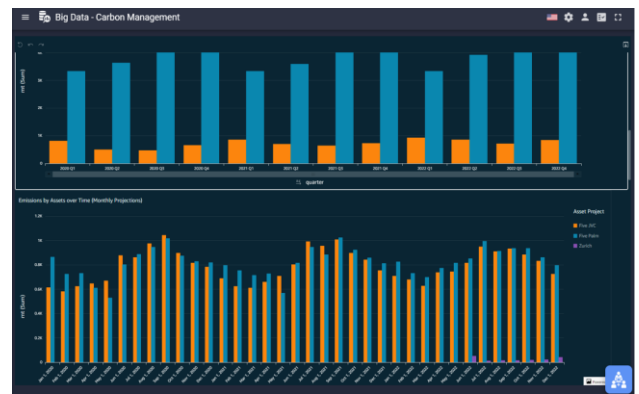
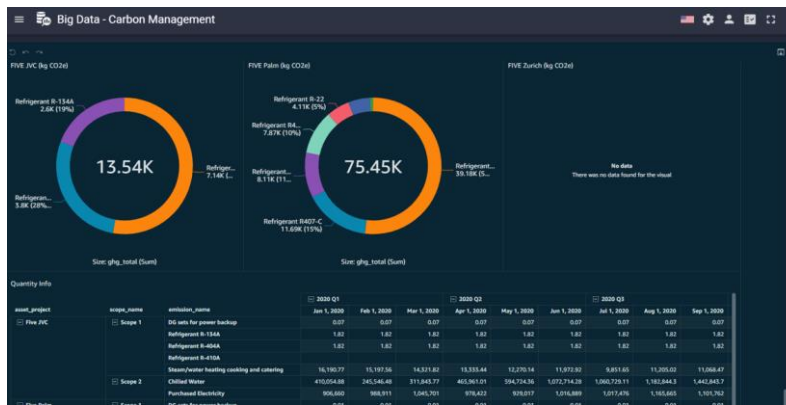


### ESG Enterprise System

FIVE has subscribed to ESG Enterprise, an ESG Management Platform that allows us to track various Sustainability Performance Data providing a platform to host the complete ESG journey, track, record and monitor our emissions on a real-time basis (Scope 1 and 2 emissions - electricity and other utilities causing greenhouse gas emissions), and report ESG parameters across all our operational properties. FIVE has also used this tool for gathering information on its SASB Disclosure Topics. Following screenshots give a brief about the features of ESG Enterprise that are currently being used:

[Consumption Summary](#)

[Dashboard](#)



**Scope 1,2,3 Emissions GHG Inventory History**

Entity	Period	Start Date	End Date	Report Name	Base Year	Scope 1	Scope 2	Scope 3	Version
ESG Dashboard	15	2020-12-01	2020-12-31	GHG Inventory December 2020	2015-12-01	185,596.00	1	10	10
GHG Scope 1, 2, 3	15	2020-11-01	2020-11-30	GHG Inventory November 2020	2015-12-01	164,462.50	1	1	10
Entity/Program	15	2020-10-01	2020-09-30	GHG Inventory October 2020	178,302.00	189,780.00	1	1	10
Product/Process	15	2020-09-01	2020-08-31	GHG Inventory September 2020	148,487.00	194,427.00	1	1	10
GHG Inventory	16	2020-08-01	2020-07-31	GHG Inventory Aug 2020	148,487.00	179,076.00	1	1	10
GHG Inventory	16	2020-07-01	2020-06-30	GHG Inventory July 2020	148,487.00	189,272.00	1	1	10
Custom Database Tables	16	2020-06-01	2020-05-31	GHG Inventory June 2020	175,179.00	199,469.00	1	1	10
Custom Database Calculators	16	2020-05-01	2020-04-30	GHG Inventory April 2020	184,499.00	189,479.00	1	1	10
GHG Mitigation & Net-Zero	16	2020-04-01	2020-03-31	GHG Inventory March 2020	171,899.00	189,479.00	1	1	10
GHG Inventory	16	2020-03-01	2020-02-29	GHG Inventory February 2020	238,727.00	173,569.00	1	1	10
GHG Inventory	16	2020-02-01	2020-01-31	GHG Inventory January 2020	271,822.00	202,727.00	1	1	10
Water & Waste	16	2020-01-01	2020-01-31	GHG Inventory January 2020	143,299.00	149,299.00	1	1	10
Human Capital & Governance	16	2020-01-01	2020-01-31	GHG Inventory January 2020	178,944.00	182,299.00	1	1	10
Green Supply Chain	16	2020-01-01	2020-01-31	GHG Inventory January 2020	262,299.00	182,299.00	1	1	10
ESG Reporting & Data Collection	16	2020-01-01	2020-01-31	GHG Inventory January 2020	178,499.00	182,299.00	1	1	10
ESG Reporting & Data Collection	16	2020-01-01	2020-01-31	GHG Inventory January 2020	284,277.00	173,299.00	1	1	10
ESG Report Builder	16	2020-01-01	2020-01-31	GHG Inventory January 2020	238,299.00	182,299.00	1	1	10
Climate Reporting / TCFD	16	2020-01-01	2020-01-31	GHG Inventory January 2020	244,922.00	182,299.00	1	1	10

In the future, FIVE would continue to explore using ESG Enterprise for broader Sustainability Data collection, reporting and visualization purposes like TCFD/climate reporting, Supply Chain assessments, ESG Assessments and Waste tracking and assessment among others.

## Energy Management Strategies

### Energy Efficiency

Energy forms the cornerstone of FIVE's commitment to sustainable and climate-conscious operations. We are dedicated to implementing responsible energy consumption practices using energy-efficient technologies, conducting regular energy audits, and prioritizing renewable energy sources in our future plans. Our Energy Management System is certified to the ISO 50001:2018 standard. For managing energy at all FIVE facilities and sites, FIVE has prepared an Energy Management System (EnMS) manual to manage energy in line with the International Standard for Energy Management Systems ISO 50001:2018. FIVE has implemented, maintains, and monitors an Energy Management System (EnMS) to promote, sustain and continually improve its Energy performance and reduce the conventional fuel usage as probable as possible: by determining the internal and external issues that are relevant to its purpose and that affect its ability to achieve the intended outcome(s) of its EnMS and improve its energy performance.

The scope of the EnMS includes all the activities, operations and services associated with employees, customer/ guests and visitors/ contractors at the FIVE properties. The energy plan covers electricity, chilled water, process fuel and on-site vehicle fuel for all the FIVE properties.

FIVE has an energy efficiency policy which details out criteria on the building envelope, the usage of several energy efficiency strategies, building energy targets, building design for optimum energy saving, lighting control and management, use of appropriate ventilation, renewable energy sources, etc. Targets are set out and monitored under ISO:50001 as a part of quarterly review meetings with the stakeholders.

### Use of Renewable Sources

Renewable energy is an important source of energy reducing the fossil fuel consumption and carbon footprint on the environment. FIVE is committed to investing in renewable energy in promoting the sustainability of its buildings. Through the combination of solar projects and Green PPA's, FIVE has set the ambition of increasing renewable power generation across its portfolio. To date, FIVE has installed 304 Solar Thermal panels on the roof of FIVE Palm Jumeirah for water heating. FIVE's Luxe JBR Hotel, currently under construction, is poised to feature a Solar Façade of over 3500 square meters as well as solar thermal and electricity panels on the 9<sup>th</sup> and 54<sup>th</sup> floor podiums.



Energy performance efficiency are maximized in the first instance by reducing the load on the building through passive design, while the active systems are designed to be as energy and water efficient as possible. Finally renewable energy systems are employed, where practical and possible, to provide some of the energy needs.

In case of new construction projects, FIVE emphasizes the use of higher efficient designing, passive energy saving, energy efficiency fixtures measures which supports the objective of using renewable energy sources. Building projects design shall show allocated space and pathways for installation of on-site renewable energy systems and associated infrastructure.

FIVE for its existing energy consumption has obtained I-REC's (Renewable Energy Certificates) for its operational Dubai properties, FIVE Palm Jumeirah and FIVE Jumeirah Village providing 100% Renewable Energy for the two hotels' electricity in 2022.

With regards to its future vision, FIVE has released a Net Zero Electricity building design which will apply solar panels to its entire façade to generate a net surplus of energy against the building's energy demand. This copyrighted architectural design and unique application of renewable energy technology models FIVE's ambition to evolve into a leader in sustainable hospitality and real estate development where its buildings run entirely on renewable energy.

## Audits

FIVE monitors its trends of energy consumption continuously through the available data compilation systems implemented across all operational properties. In addition, the company conducts quarterly review meetings to track progress against defined targets.

1. FIVE is **LEED Platinum** certified where audits were conducted by these authorities on assessment of the building performance, its efficiency. LEED audits are audits that evaluate a building's design, construction, and operation to determine its level of compliance with the LEED rating system. The purpose of the audit is to identify areas of improvement and to ensure that the building meets the sustainability standards set by the US Green Building Council (USGBC).
2. FIVE is the first hospitality group to be **SPIRE certified**. (FPJ and FJV based in Dubai). SPIRE (Sustainable Project Rating Tool) audit is a process that evaluates the sustainability of a construction project based on the SPIRE rating system. It **evaluates various aspects of the project including energy efficiency**, water conservation, indoor environmental quality, sustainable materials, waste management, greenery provision, transportation options and access to public amenities.
3. FIVE got certified to **ISO:14001 and ISO:50001** standards in 2023 for all its three operational properties (FPJ, FJV and FZ) where an audit has been conducted for all parameters of environment and energy.
4. FIVE **performs energy audits through third-party vendor (GST) which audits the energy consumption and savings per year and provides a host of energy conservation measures**; Energy Audit such as ASHRAE Level 1, ASHRAE Level 2 ASHRAE Level 3 also identify energy improvement opportunities through energy conservation measures. For example, the efficiency of the energy appliances, watt efficiency through lighting fixtures, balancing of hot water, chilled water, (to reduce consumption) and managing HVAC thermostat temperatures.

*Refer the 'Audits' folders for detailed audit reports and certifications.*