NOMINATED BUILDING SYSTEMS

individual Building  portfolio

round: [1 or 2]

Project Name: [name]

Project Number: GS- [####]

## 1. Introduction

Credits within the *Green Star – Performance* rating tool make reference to ‘nominated building systems’. The scope of the nominated building systems is limited to all services that are the responsibility of the building owner and operator. This Submission Template provides information regarding nominated building systems relevant to the project’s *Green Star – Performance* submission (in particular, credits within the Management category).

This Submission Template provides context of the project to the Certified Assessors. For this reason, please provide information which is relevant to the nominated building systems being assessed under the project’s *Green Star – Performance* rating.

Please ensure that the information provided in this Submission Template includes all relevant nominated building systems in the project, and is accurate to the best knowledge of the building owner and operator.

## 2. Nominated Building Systems

This Submission Template identifies the project’s nominated building systems which were the responsibility of the building owner and operator to manage and maintain during the performance period.

Note: tenant systems not under the control of building owner or management do not need to be included in nominated building systems and have not been identified below.

The list below identifies the nominated building systems to be described in the following sections of this Submission Template:

* **2.1 Mechanical Systems**
* **2.2 Building Controls and Monitoring Systems**
* **2.3 Building Envelope Systems**
* **2.4 Electrical, Lighting and Security Systems**
* **2.5 Hydraulic and Fire Systems**
* **2.6 Vertical Transport Systems**
* **2.7 Other systems that have a material impact on the energy or water consumption of the building**

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| 2.1 Mechanical Systems | **Present in Project?** |
| Mechanical HVAC systems | **[Y/N]** |
| Commercial/industrial refrigeration systems | **[Y/N]** |
| **[Other Mechanical systems]** | **[Y/N]** |

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| **Brief Description of Mechanical Systems** |  |
| Please provide a brief (few sentences or dot points) description for each of the above systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. | |
| ***For example:***  ***Mechanical HVAC systems***  ***Mechanical HVAC is provided to all internal spaces within the building.***   * ***Office floors (Levels 1 to 11) are served by centralised constant air volume system. This system comprises 7 air handling units (AHUs), 4 AHUs serving perimeter zones, 2 for internal zones and 1 additional AHU for supplementary tenant outdoor air.*** * ***The ground floor lobby space is served by fan coil units (FCUs), outdoor air is provided by the tenant outdoor air AHU.*** * ***HVAC plant includes 3 water cooled chillers linked to a central primary chilled water loop which is linked to AHUs. 2 up-draft cooling towers are located in the rooftop plant room.*** | |

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| 2.2 Building Controls and Monitoring Systems | **Present in Project?** |
| Building Management and Control System | **[Y/N]** |
| Metering and monitoring systems | **[Y/N]** |
| **[Other control systems]** | **[Y/N]** |

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| **Brief Description of Building Control Systems** |
| Please provide a brief (few sentences or dot points) description for each of the above control systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
| ***For example:***  ***Building Management and Control System***  ***The building has a centralised BMCS system that oversees the control of all base building HVAC systems, lighting services, and hydraulic systems. The system also interfaces with lift controls.***  ***Metering and monitoring systems***  ***The BMCS includes a high level interface with all electricity metering and sub-metering throughout the property. Data recorded can be accessed through a portal via a web login and password from any computer with web access.*** |

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| 2.3 Building Envelope Systems | **Present in Project?** |
| Motorised external shading devices | **[Y/N]** |
| Motorised internal blinds or louvers | **[Y/N]** |
| **[Other building envelope elements]** | **[Y/N]** |

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| **Brief Description of Building Envelope Systems** |
| Please provide a brief (few sentences or dot points) description for each of the above building envelope elements identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
| ***For example:***  ***Motorised internal blinds***  ***All primary tenanted spaces are fitted with motorised blinds. Blinds have automated functionality and can also be controlled by occupant via dispersed remote controls.***  ***Building envelope***  ***North and West façades are double glazed curtain wall with fixed shading (900mm horizontal overhang). East and south façade are concrete clad. Building services core located against south façade.*** |

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| 2.4 Electrical, Lighting and Security Systems | **Present in Project?** |
| Electrical generation systems (including backup generation) | **[Y/N]** |
| Automated lighting control systems | **[Y/N]** |
| Security and Alarm Systems | **[Y/N]** |
| **[Other electrical, lighting and security systems]** | **[Y/N]** |

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| **Brief Description of Electrical, Lighting and Security Systems** |
| Please provide a brief (few sentences or dot points) description for each of the above electrical, lighting and security systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
| ***For example:***  ***Electrical***  ***Main switchboard located in basement near sub-station. All building electricity distributed main switch board.***  ***Electrical generation***  ***Diesel backup generators provided to cover essential services throughout the building only.***  ***Lighting Control***  ***All base building (lifts, car park, and lobby) and tenant open plan lighting includes automated timed control. Bathrooms include occupancy sensor control.***  ***Security***  ***Swipe pass access to car park, building, lifts and tenant floors.*** |

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| 2.5 Hydraulic and Fire Systems | **Present in Project?** |
| Sewage collection, treatment and distribution systems | **[Y/N]** |
| Rainwater/stormwater collection, treatment and distribution systems | **[Y/N]** |
| Additional hydraulic pumping | **[Y/N]** |
| Treatment systems **[e.g. Greywater / Blackwater]** | **[Y/N]** |
| Fire protection systems, including pumps and other equipment | **[Y/N]** |
| Domestic Hot Water System | **[Y/N]** |
| **[Other hydraulic and fire systems]** | **[Y/N]** |

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| **Brief Description of Hydraulic and Fire Systems** |
| Please provide a brief (few sentences or dot points) description for each of the above hydraulic and fire systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
| ***For example:***  ***Rainwater/Stormwater***  ***Rainwater collected from roof surface. 20kL water tank storage in basement plant room. Water used for toilet flushing and grounds keeping.***  ***Fire protection.***  ***Sprinkler systems provided on all levels of building including basement and rooftop plant rooms. 3 internal hydrants located throughout the building on Ground, Level 4 and Level 7.***  ***Domestic Hot Water***  ***Two natural gas fired domestic hot water heaters in duty, stand-by arrangement, located in basement plant room. Hot water reticulated throughout the building through a central DWH distribution network.*** |

| 2.6 Vertical Transport Systems | **Present in Project?** |
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| Lifts | **[Y/N]** |
| Escalators and other vertical transport equipment | **[Y/N]** |
| **[Other vertical transport systems]** | **[Y/N]** |

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| **Brief Description of Vertical Transport Systems** |
| Please provide a brief (few sentences or dot points) description for each of the above vertical transport systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
| ***For example:***  ***Lifts***  ***Three lifts service all levels. Lifts have dedicated control and scheduling optimisation system. Lifts are cable driven, motors located in rooftop plant room.*** |

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| 2.7 Other systems that have a material impact on the energy or water consumption of the building | **Present in Project?** |
| **[Please nominate any other relevant system]** | **[Y/N]** |

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| **Brief Description of other relevant building systems** |
| Please provide a brief (few sentences or dot points) description for each of the above other relevant systems identified in the project, list major items related to these systems, and the areas in the project that these systems service. |
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# DECLARATION

I confirm that the information provided in this document is truthful and accurate at the time of completion.

Provide author details, including name, position and email address:

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[Date]

––– **Report end** –––