

Sun Modular Datacenter Site Assessment Service Singapore

1. Scope

Under this service, Sun will survey the readiness of a proposed site for Sun Modular Datacenter installation (“Service”). This Service includes inspection of the site for accessibility of machinery for the transportation and installation of the Sun Modular Datacenter, and assessment of the suitability of the site's infrastructure for installing the Sun Modular Datacenter and for supporting infrastructure preparation and serviceability requirements. This Service is limited to two (2) proposed installation sites at a single Customer Site. A “Customer Site” shall be defined as a single building or campus with a single address. If the Customer Site is a campus with a single address, the two proposed sites must be within reasonable walking distance of each other or on-campus transportation must be provided by Customer. Sun will make commercially reasonable efforts to provide the Service.

2. Sun's Tasks and Deliverables

- **Service Preparation.** Before arriving at the Customer Site, Sun will discuss with Customer all elements of this Service and develop an engagement plan with specific requirements relating to Customer's proposed installation site(s). The engagement plan will include defined proposed installation site(s), requirements for Customer assistance, installation site restrictions and requirements, schedule and any other information necessary for Sun to complete the Service. Development of the engagement plan will be accomplished through telephone and email communication, at Sun's discretion.
- **On-site Review.** Sun will schedule site visits on mutually acceptable dates, during normal Sun business hours. This Service is based primarily on inspection, interview and review of Customer provided installation site documentation. Physical measurement of conditions will be limited. Any test equipment utilized will be documented in the customer report. Installation site data will be evaluated against specification and installation guidelines provided by Sun, including the *Sun Modular Datacenter Site Planning Guide*. Other relevant industry or government codes or standards may be referenced, as available and appropriate. While this Service will provide information and guidance that will assist Customer with local code requirements, it will not provide engineering documents certified by locally licensed engineering or architectural professionals, nor will it provide direct assistance with obtaining permits or compliance with local code requirements. Obtaining all necessary certifications and permits is the sole responsibility of Customer.
- **Installation site.** Sun will review and discuss proposed installation site(s) with Customer.
 - **Nature of Installation:** Sun will determine through discussion with Customer whether the Sun Modular Datacenter installation will be permanent or temporary, indoors or outdoors as this may affect the degree and type of infrastructure required as well as the mounting needs.
 - **Site Levelness.** Sun will inspect any proposed installation site(s) to assess compliance with the Sun Modular Datacenter mounting specifications described in the *Sun Modular Datacenter Site Planning Guide*, for example, levelness to within ½ inch (12.7 mm) across the 4 corners of the container. This initial examination will include physical examination of the proposed installation site(s), and at Sun's sole discretion may include physical measurements of area size and levelness.
 - **Site Strength.** Sun will visually inspect the materials and construction at the proposed installation site(s) to identify issues that could impact Sun Modular Datacenter installation. The inspection results will be limited to general comments regarding the suitability of the

materials constituting the proposed installation site(s) to support the Sun Modular Datacenter and the conditions of the site(s). Inspection will be limited to visual examination, interviews with Customer's site personnel and review of Customer provided installation site documents. Physical stress testing or engineering certification of the structural integrity of the proposed installation site(s) will not be included as part of this Service. If concerns are observed, Sun will document the concerns in the customer report and may make recommendations for additional testing by a locally licensed structural engineer; Customer may pursue such testing at Customer's own option and expense. Resolution of concerns identified in the customer report is the sole responsibility of Customer.

- **Clearances.** Sun will inspect the proposed installation site(s) to confirm clearance requirements for installation and serviceability as per the Sun Modular Datacenter specifications set forth in the *Sun Modular Datacenter Site Planning Guide* are met. Necessary clearances will be determined, in part, based on the specific installation plans and infrastructure design. Location, orientation and planned utilization can all affect the necessary clearances. Future planning for the space around the installation site(s) will also be taken into consideration.
- **Infrastructure Orientation.** Sun will evaluate the Sun Modular Datacenter installation site(s) in relation to the planned support infrastructure location. Pipe lengths and utility pathway design must be taken into consideration in the planning stages. Proposed support infrastructure design and location will be discussed with Customer's site personnel to identify any elements that could impact Sun Modular Datacenter installation site decisions.
- **Access Requirements.** Sun will evaluate the proposed installation site(s) for the Sun Modular Datacenter and the support infrastructure for access requirements. The evaluation will be based on the information provided by Customer at the time of the site visit. In the absence of install-specific information, general requirements will be used as the basis for the evaluation. The delivery path will be visually examined and discussed with Customer's site personnel in an attempt to identify obstacles to installation.
- **Cooling Infrastructure.** Sun will conduct interviews with Customer's site personnel and site facilities personnel to gather information about the proposed chilled water source for use with the Sun Modular Datacenter. If an existing chilled water source is available, a visual inspection of the system will be undertaken. Based on interviews with site personnel and review of equipment specifications, Sun will determine whether there is adequate capacity in the existing chilled water system, or if additional study is required. Sun will also determine if the level of redundancy required as stated by site personnel can be attained within the existing infrastructure, or if additional study is required. This will be accomplished through Customer personnel interviews, examination of equipment panels and building monitoring system data as provided by Customer. Means of delivery of the chilled water to the proposed site(s) for the Sun Modular Datacenter installation will be evaluated by Sun. If Sun determines that there is not a suitable chilled water source available for the proposed Sun Modular Datacenter installation site(s), concepts for suitable alternatives will be explored. Sun will take into consideration the proposed Sun Modular Datacenter installation site(s), the potential Sun Modular Datacenter payload, and Customer stated redundancy requirements. In some cases, additional evaluation beyond that provided in this Service may be required, for an additional fee.
- **Electrical Infrastructure.** Sun will conduct interviews with Customer's site personnel and site facilities personnel to gather information related to the origin of the power source proposed for use with the Sun Modular Datacenter. Sun will visually inspect the proposed power protection equipment. Based on interviews with site personnel and review of equipment specifications, Sun

will determine if there is adequate capacity in the existing electrical infrastructure if it is to be utilized, or if additional study is required. Sun will determine if the level of redundancy required as stated by site personnel can be provided using existing infrastructure. This will be accomplished through Customer personnel interviews, Customer provided site documentation (single-lines, as-builts,) examination of equipment panels and monitoring system data, as available. Sun will evaluate means of delivery of power to the Sun Modular Datacenter. If Sun determines that the current power infrastructure is inadequate, or otherwise unsuitable for the Sun Modular Datacenter or its location, concepts for suitable alternatives will be explored. This will take into consideration the proposed installation site(s) of the Sun Modular Datacenter, the potential Sun Modular Datacenter payload, and Customer stated redundancy requirement. Components may include, where appropriate, generator(s), UPS(s), switch gear. In some cases, additional evaluation beyond that provided in this Service may be required, for an additional fee.

- **Network Connections.** Sun will conduct interviews with Customer site and site facilities personnel to gather information as to the origin of the network services for use with the Sun Modular Datacenter. Means of delivery, connections and pathways will be documented.
- **Physical Protection & Security.** Sun will conduct interviews with Customer site personnel to determine the level of security required for the Sun Modular Datacenter and its infrastructure. The proposed installation site(s) will be assessed for suitability in relation to Customer requirements.
- **Report Preparation.** Following Sun's installation site visit, Sun will analyze the data collected and prepare a report of findings. Sun will identify potential obstacles to installation and recommendations for any additional testing or changes to the installation plan. The report will include a description of the work elements performed, documentation and analysis of the data and observations, graphical presentation and photo documentation (where allowed), and specific recommendations. The report will be provided in electronic format. Typically Sun will provide the report approximately 21 business days following the completion of the last site visit. The *Sun Modular Datacenter Site Readiness Checklist* will be completed and a copy provided to Customer typically within 5 business days of the last site visit.

3. Customer Responsibilities

- **Point of Contact.** Customer will provide Sun with the name and telephone number of an employee to act as the designated point of contact for the purposes of this Service.
- **Information Required.** Customer will provide all information required under this Service Listing or reasonably determined by Sun to be necessary to deliver the Service, including without limitation, any documentation (internal or external) regarding prior plans or investigations that were used to identify proposed installation site. For additional information refer to the *Sun Modular Datacenter Site Planning Guide*.
- **Timely response.** Customer will provide a timely response (i.e., in a time period that does not adversely affect Sun's scheduled performance of the Service) to all requests for information by Sun.
- **Access to all subject areas and support areas.** Customer will provide Sun access to all subject areas and support areas, including the proposed installation site(s) and any mechanical or electrical infrastructure provided to support the Sun MD.
- **Security.** Customer will provide Sun badge access or an escort for the duration of the site visit to facilitate required access to all necessary areas.
- **Personnel familiar with the proposed installation site.** Customer personnel familiar with the proposed installation site must be available to answer questions at all times during the site visit.

- **Personnel knowledgeable regarding the mechanical systems and electrical infrastructure serving the installation site.** Customer personnel familiar with the specific installation, as well as personnel responsible for the maintenance and support of the existing infrastructure must be available to answer questions.
- **Mechanical and Electrical Documentation.** Customer will provide Sun copies of all available mechanical and electrical system design documentation, including as-built drawings, electrical single-line drawings, chiller plant configuration, chilled water Piping and Instrumentation Diagrams (P&ID).
- **Network Infrastructure.** Customer will provide Sun information regarding the planned network infrastructure connection points and pathways.
- **Updated location drawings.** As appropriate to the specific location, Customer will provide Sun with campus maps, building drawings, floor plans or other relevant prints that will assist in the documentation and evaluation of the proposed installation site.
- **Permission to take photographs.** Customer grants Sun permission to take photographs for report illustration purposes.
- **Site-specific project logistics** will be arranged by the Customer at the time of scheduling. Customer's failure to provide necessary authorizations may limit the effectiveness of the Service and could, at Sun's discretion, impact scheduling or result in the postponement of the Service.
- **Assistance with any applicable VISA requirements.** Assistance from Customer is requested in those instances where a temporary business visa is required for Sun personnel for the site visit. This assistance will typically take the form of preparation of a letter of invitation. In some cases, a formal request must be made by the local company for whom the work is taking place.

4. Documentation

The following documents are available from Sun.

1. Sun Modular Datacenter Site Planning Guide (Sun Documentation: [820-2436-10](#))
2. Sun Modular Datacenter Site Readiness Checklist (Sun Documentation: [820-3782-10](#))

This Service is subject to your existing services agreement with Sun that governs the delivery of Services. If you do not have a services agreement with Sun that would govern the delivery of Services, then Sun's delivery of Services shall be subject to the terms located at www.sun.com/sales/salesterms. This Service Listing or SOW does not constitute an offer by Sun. The Services described above are subject to availability and unless otherwise stated, are only available within the above-referenced country. Any reference to "Customer" in this Service Listing entitled to receive the Services.

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