

## Sun Modular Datacenter Site Inspection Service South Africa

### 1. Scope

Under this service, Sun will inspect the Sun Modular Datacenter installation site and confirm that the site preparation activities have been completed, site requirements are met, and that the site is ready for installation of the Sun Modular Datacenter (“Service”). This Service is performed after all site preparation activities have been completed, but before the delivery and installation of the Sun Modular Datacenter (“Sun MD”). This Service will typically be required if Customer has provided for the site preparation. Sun performs this Service to confirm that all site preparation activities and site conditions meet required specifications for the installation of the Sun MD.

### 2. Sun's Tasks and Deliverables

- **Service Preparation.** Before arriving at Customer's prepared installation site, Sun will discuss with Customer all elements of this Service and develop an engagement plan with specific requirements relating to Customer's installation site. The engagement plan will include defined installation site, 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 visits to the installation site on mutually acceptable dates, during Sun's normal business hours. Sun will rely on information gathered during installation site inspection, interviews with Customer and review of Customer provided installation site documentation. Physical measurement of conditions at the installation site will be limited. Any instruments or tools used for measuring size and levelness of the mounting surface, clearances for the Sun MD to be positioned, and water pressure and temperature at the installation site will be documented in the customer report. Installation site data collected from Sun's measurements 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 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 permitting; compliance with local code requirements and obtaining all necessary certifications and permits are the sole responsibility of the Customer.
- **Install Location.** Sun will physically examine the prepared installation site to confirm that it meets specified requirements as documented in the *Sun Modular Datacenter Site Planning Guide*, *Sun Modular Datacenter Site Readiness Checklist*, *Sun Modular Datacenter Installation Guide* and other support documentation. Areas of examination will include evaluation of critical installation site criteria such as site levelness, structural strength, clearances, and orientation. Evaluation will be conducted through visual inspection, review of site documents (engineering, architectural, construction) and interviews with Customer's personnel. The evaluation will not include structural testing nor testing for compliance to relevant industry or government codes or standards. If the examination raises questions or concerns, additional testing or corrective actions may be required and are at Customer's expense. Resolution of questions and concerns identified by Sun is the sole responsibility of Customer.
- **Access Requirements.** Sun will examine the prepared Sun Modular Datacenter installation site to confirm access requirements specified in the *Sun Modular Datacenter Site Planning Guide* are

met. The evaluation of access requirements will be based on the information provided by Customer during Sun's site visit. In the absence of install-specific information, general requirements will be used as the basis of the evaluation. The delivery path will be visually examined and discussed with Customer's personnel in an attempt to identify obstacles to the installation.

- **Cooling Infrastructure.** Sun will conduct interviews with Customer's personnel and installation site facilities personnel to gather information regarding the prepared chilled water source for use with the Sun Modular Datacenter. A visual inspection of the system will be undertaken. Based on interviews with installation site personnel and review of Sun MD equipment specifications, Sun will be determined if there is appropriate cooling infrastructure support, or if additional review is required. Sun will determine if the level of redundancy required, as stated by Customer's site personnel, can be attained, or if additional review of the chilled water source is required. This will be accomplished through Customer personnel interviews, examination of equipment panels and building monitoring system data as provided by Customer. Customer's means of delivery of the chilled water to the Sun Modular Datacenter installation site will be evaluated. In some cases, additional evaluation beyond that provided in this Service may be required, for an additional fee under a separate SOW.
- **Electrical Infrastructure.** Sun will conduct interviews with Customer's site personnel and site facilities personnel as to the origin of the power source prepared for use with the Sun Modular Datacenter. A visual inspection of the prepared power protection equipment will be undertaken. Based on interviews with site personnel and review of equipment specifications, the electrical source for the Sun Modular Datacenter will be evaluated in relation to specifications identified in the *Sun Modular Datacenter Site Readiness Checklist* for the unit. This will be accomplished through personnel interviews, Customer provided installation site documentation (single-lines, as-builts, etc.) examination of equipment panels and monitoring system data, as available. Means of delivery of power to the Sun Modular Datacenter will be evaluated. In some cases, additional evaluation beyond that provided in this service may be required, for an additional fee under a separate SOW.
- **Network Connections.** Sun will conduct interviews with Customer's installation site personnel and site facilities personnel 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 interview Customer to determine the level of security required for the Sun Modular Datacenter and its infrastructure. The prepared installation site will be examined for suitability in relation to Customer requirements.
- **Report Preparation.** Following Sun's site visit, the data collected will be analyzed and a report of findings will be prepared. Potential obstacles to installation and recommendations for any additional testing or changes to the installation plan will be provided. 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. The report will typically be provided approximately 21 business days following the last installation site visit. The *Sun Modular Datacenter Site Readiness Checklist* will be completed and a copy provided typically within 5 business days of the last installation site visit. Resolution of all obstacles, required changes or additional testing is the sole responsibility of Customer and must be completed prior to installation of the Sun Modular Datacenter.

### 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 the installation site. For additional information refer to the *Sun Modular Datacenter Site Planning Guide*.
- **Timely response.** Customer will respond in a timely manner (i.e., in a time period that does not affect Sun's scheduled delivery of the Service) to all requests for information by Sun.
- **Access to all subject areas and support areas.** Customer will provide Sun with access to all areas required by Sun. This includes not only the installation site, but also any mechanical or electrical infrastructure provided to support the Sun MD.
- **Security.** Customer will provide Sun with badge access or escort for the duration of the site visit to facilitate required access to all necessary areas.
- **Personnel familiar with the installation area.** Customer will provide Sun access to personnel available to answer questions during the site visit.
- **Personnel knowledgeable regarding the mechanical systems and electrical infrastructure serving the installation area.** Customer will provide Sun access to personnel knowledgeable with regard to the mechanical systems and electrical infrastructure at the installation site. This includes both personnel familiar with the specific installation, as well as personnel responsible for the maintenance and support of the existing infrastructure.
- **Mechanical & Electrical Documentation.** Customer will provide Sun copies of all available mechanical & electrical system design documentation, including as-built drawings, electrical single-line drawings, chiller plant configuration, chilled water Piping & Instrumentation Diagrams (P&ID).
- **Network Infrastructure.** Customer will provide Sun information regarding the network infrastructure connection points and pathways.
- **Updated location drawings.** Customer will provide Sun with updated location drawings as appropriate to the specific install, campus maps, building drawings, floor plans or other relevant prints that will assist in the documentation and evaluation of the 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 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 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. Additional Provisions

- **Installation Readiness:** If this installation check identifies issues with the site preparation or readiness, Customer may choose to address the issues directly, then Customer is responsible for updating the *Sun Modular Datacenter Site Readiness Checklist*. Any reasonable costs incurred by Sun related to any delay and additional site visits for installing the Sun MD will be paid by Customer.

### 5. 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](#))
3. Sun Modular Datacenter Installation Guide (Sun Documentation: [820-2536-10](#))

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](http://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.

Last Revised: November 2008