	OCP Ready v2 for Hyperscale Data Center Site Assessment	*LIS01*		
	Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS		
	Data Center Location Name	Edged / Merlin - Lisbon Campus		
	Data Center Location Address	Avenida do Emáus - Lote 32 - Castanheira do Ribatejo - Portugal		
	Site Development Category:	1. Multi-tenant Capacity - (available by XX/XX/XXXX)	01/12/2027	December 2027
	Site Description: IT Technical Space (White Space) Area	Eight data halls per building over five buildings		
	Site Description: Critical IT Power	180 MW IT		
	Site Description: Network Provider Availability	Carrier Neutral		
	Site Description: Facility Features	Multi-Tenanted Data Centre		
	Site Description: Other Services	Campus with five data centres		
	Date Original Assessment is Completed	03/05/2025		
	Re-Assessment Date:			

Ref:	REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes/ Actual Parameters
1	**CAMPUS SITE ACCESS & LOGISTICS**			
1.0	**SITE ACCESS**			
1.0-A	Vehicular Access inc. truck circulation	1. Roadway access to loading dock to allow for a trailer 12.2m (40') Wheelbase	Optimum	Two loading docks are provided with dock levellers in each connector building. A separate loading bay in a different area is provided for refuse collection.
1.0-B	Building Access	1. Covered loading dock with leveler	Optimum	
1.0-C	Delivery pathway, Loading dock to storage room	1. ≥ 2.75m (108in) H x ≥ 1.6m (63in) W unobstructed access and threshold free	Optimum	
1.0-D	Delivery pathway, Goods in to IT Technical Space	1. ≥ 2.75m (108in) H x ≥ 1.6m (63in) W unobstructed access and threshold free	Optimum	
1.0-E	Corridor floor rolling load	1. ≥680 kg (1500 lb/ft2) (6.67 kN) slab on grade	Optimum	Solid concrete floor
1.0-F	Unboxing/pre-staging/storage area floor uniform load	1. ≥1221 kg/m2 (250 lb/ft2) (11.97 kN/m2) slab on grade	Optimum	Floor is constructed to 1500kN/m2
1.0-G	Unboxing/pre-staging/storage area floor concentrated load	1. ≥680 kg (1500 lb/ft2) (6.67 kN) slab on grade	Optimum	Solid concrete floor
1.1	**ACCESS CONTROLS & MONITORING**			
1.1-A	Site perimeter fence	2. ≥2.43m (96in) anti-climb fence	Acceptable	
1.1-B	Site security lighting	1. Site lighting with backup power	Optimum	
1.1-C	Main Security Checkpoint (or check in location)	1. Staffed 24/7	Optimum	The campus will be staffed 24/7
1.1-D	Levels of security to gain access to IT Technical Space	1. >3 (site perimeter, building perimeter, secure corridor and IT Technical Space)	Optimum	
1.1-E	Video surveillance data record archive	1. >30 days	Optimum	
1.1-F	Visitor access requirements	1. Pre-approved with valid government issued ID and escorted	Optimum	
1.1-G	Entrance and exit door monitoring	1. All entrance and exit doors are electronically monitored and recorded	Optimum	These will be monitored to the Security Control Room
1.2	**RAMPS**			
1.2-A	Gradient	1. Not Applicable - No Ramps Required	Optimum	No ramps are installed in the facility
1.2-B	Length	1. Not Applicable - No Ramps Required	Optimum	No ramps are installed in the facility
1.2-C	Width	1. Not Applicable - No Ramps Required	Optimum	No ramps are installed in the facility
1.2-D	Landing area	1. Not Applicable - No Ramps Required	Optimum	No ramps are installed in the facility
1.2-E	Railings	1. Not Applicable - No Railings Required	Optimum	No ramps are installed in the facility
1.3	**FREIGHT LIFTS / ELEVATORS**			
1.3-A	Weight loading	1. ≥3000kg (6600lbs)	Optimum	Two 5,440kg lifts to be installed in each connector building
1.3-B	Door height	1. ≥2.75m (108in) Lift /Elevator door opening height (internal cabin)	Optimum	The clear door height to be 3m
1.3-C	Width	1. ≥1.8m (71in) Unobstructed door opening width	Optimum	The lift car door width to be 2.4m
1.3-D	Depth	2. ≥1.5m (60in) Unobstructed cabin depth	Acceptable	The lift car depth to be 3.12m
2	**IT TECHNICAL SPACE (WHITE SPACE)**			
2.0	**STRUCTURAL**			
2.0-A	Floor rolling load	1. ≥680kg (1500lb) (6.67kN) slab on grade	Optimum	Solid concrete floor
2.0-B	Floor uniform load	1. ≥1221 kg/m2 (250 lb/ft2) (11.97 kN/m2) slab on grade	Optimum	Hollow core concrete floor constructed to 15kN/m2
2.0-C	Floor concentrated load	1. ≥680kg (1500lb) (6.67kN) slab on grade	Optimum	
2.0-D	Finished floor to ceiling height	1. ≥4.5m (178in) clear space (no obstructions)	Optimum	5.35m clear height in data halls
2.0-E	Access floor	1. Not Applicable - No Access floor	Optimum	No raised access floor in the data halls or on any circulation routes
2.1	**ELECTRICAL**			
2.1-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to meet Tier III concurrent maintainability

2.1-B	Row level diverse power feeds	1. 2N (A+B)	Optimum	Supplied via overhead busbar to the rack
2.1-C	Nominal circuit capacity	1. 1ϕ and 3ϕ circuits available based on customer requirements (e.g. 1ϕ 230-240V, 3ϕ 400V-415V Notes Required)	Optimum	Single and three phase available upon request
2.1-D	Circuit frequency	1. 47-63 Hz	Optimum	50Hz
2.1-E	Power receptacle / WIP Type	1. All power receptacle types supported	Optimum	
2.1-F	Circuit receptacle location	1. Overhead busbar	Optimum	
2.1-G	Upstream UPS options	1. N+N UPS feed	Optimum	Provisioned by Distributed Redundant Power system (N+1)
2.1-H	Rack-based batteries permitted	1. Allowed	Optimum	Subject to battery chemistry
2.1-I	Generator load acceptance time	2. <35 seconds	Acceptable	The gas standby generators will be supported by a BESS to grid form and accept the mechanical load as a first load step
2.2	**COOLING**			
2.2-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to meet Tier III concurrent maintainability
2.2-B	Supplemental Advanced Cooling	1. Not Applicable	Optimum	Air cooled racks can be cooled up to 70kW
2.2-C	Rack airflow direction	1. Front to Back	Optimum	
2.2-D	Air containment methods	1. Hot aisle containment	Optimum	
2.2-E	Maximum rack density	1. ≥12kW	Optimum	Solution can support air cooled racks up to 70 KW
2.2-F	Minimum cold aisle width	1. ≥1400mm (56in)	Optimum	
2.2-G	Minimum free width cold aisle (Inside cage)	1.≥1400mm (56in)	Optimum	
2.2-H	Minimum hot aisle width	1. ≥1200mm (48in)	Optimum	
2.2-I	Inlet air conditions	1. ASHRAE Recommended	Optimum	Standard solution is set at 24degC inlet, albeit the preference is to raise this to 26degC
2.2-J	Air quality	1. MERV 8 filters on outside air	Optimum	Fresh air is filtered via the roof top air handling unit
2.2-K	Temperature rise	1. ≥12 Deg C DeltaT	Optimum	
2.2-L	Cabinet blanking of open space	1. Mandatory	Optimum	
3	**TELECOMMUNICATIONS**			
3.1	**ACCESS PROVIDERS AND OUTSIDE PLANT (OSP) Fiber**			
3.1-A	OSP fiber to data center campus	2. Diverse OSP routing through individual zero manholes (cable point-of-entry) to the data center	Acceptable	Two points of entry into the Administration building, plus a separate POE directly into each data centre building
3.1-B	Carriers and backbone providers	1. Carrier neutral with expansion capability (Notes Required)	Optimum	Multiple carriers will be installed within the MMRs
3.2	**MEET-ME ROOMS (MMRS)**			
3.2-A	Number and Location	1. N+N Isolated MMRs with dedicated OSP fiber entrance from service providers	Optimum	Two MMRs will be provided, each with their own POE
3.3	**MMR CABLING**			
3.3-A	MMR to IT Technical Space Pathways	1. 2 dedicated diverse pathways from 2 MMRs	Optimum	Separate diverse pathways will be provided from the MMRs to the data halls via dedicated risers
3.3-B	MMR to IT Technical Space Conduit Pathway sizing	2. Customer dependent (Notes Required)	Acceptable	Two comms risers per MMR will be provided, cable containment sizing to suit customer requirements
3.4	**MMR ELECTRICAL**			
3.4-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to meet Tier III concurrent maintainability
3.4-B	Row level diverse power feeds	1. 2N (A+B)	Optimum	Supplied via overhead busbar to the rack
3.4-C	Nominal circuit capacity	1. 1ϕ and 3ϕ circuits available based on customer requirements (e.g. 1ϕ 230-240V, 3ϕ 400V-415V Notes Required)	Optimum	Single and three phase available upon request
3.4-D	Circuit frequency	1. 47-63 Hz	Optimum	50Hz
3.4-E	Upstream UPS options	1. UPS systems derived from an isolated house lineup	Optimum	UPS power to the MMR fed from separate UPS system to that serving the data halls
3.4-F	UPS Redundancy	1. N+1	Optimum	Provisioned by Distributed Redundant Power system (N+1)
3.4-G	Generator load acceptance time	2. <35 seconds	Acceptable	The gas standby generators will be supported by a BESS to grid form and accept the mechanical load as a first load step
3.5	**MMR COOLING**			
3.5-A	MMR cooling redundancy per room	2. N+1	Acceptable	Cooling unit will be provisioned 3+1
3.5-B	MMR cooling system type	2. Chilled water	Acceptable	The cooling units will be connected to free-cooling chiller
3.5-C	MMR cooling isolation	1. Isolated from IT technical space cooling system	Optimum	The MMRs will be fed from a separate cooling system to that serving the data halls.
3.6	**MMR ACCESS CONTROLS**			
3.6-A	Customer access to MMR(s)	1. Controlled by the colocation data center and escorted	Optimum	
3.6-B	Service Provider access to MMR(s)	1. Controlled by the colocation data center and escorted	Optimum	
3.6-C	Biometric readers, badge readers, and video surveillance installed for the MMR(s)?	1. Yes	Optimum	Monitored by the Security Control Room on site
4	**SERVICE**			

4.1	**OPERATIONS AND SPARE PARTS**			
4.1-A	Critical spares program	1. On hand spares available on campus	**Optimum**	A stock of critical spares will be held on site
4.1-B	Critical Response SLA	1. Yes	**Optimum**	Response from OEM's will be less than 4 hours
4.1-C	Remote hands program	1. Yes	**Optimum**	Available upon request.
4.1-D	Office Space	1. Dedicated space available for fitout	**Optimum**	Dedicated customer office space will be available in the administration building.
5	**EFFICIENCY**			
5.0-A	Site Operations Standards	1. Other (Notes required)	**Optimum**	The site is operated to standards developed by Edged.
5.0-B	Operational Sourcing Standard	1. Hybrid	**Optimum**	Edged has presence on site to manage operations and is supported by an external maintenance service team.
5.0-C	Work Note Communication and Coordination	1. Yes (e.g. Dedicated portal, Teams, Sharepoint)	**Optimum**	Work orders are managed through an a proprietary platform called EdgedIQ that is owned by Edged.
5.0-D	Site PUE Monitoring	1. Continuously monitored	**Optimum**	Data on PUE will be available to customers via EdgedIQ which is a proprietary cloud based system provided by Edged.
5.0-E	Site Design PUE at Full Load	1. <1.3 @ 80% Max Utilization	**Optimum**	The annualised PUE is calculated to be less than 1.2 based on Edged's standard operating platform
5.0-F	Site Annualized PUE Current Achievement	1. Not Applicable - Build in Progress	**Optimum**	Data centre presently not completed
5.0-G	Site WUE Monitoring	1. Continuously monitored	**Optimum**	Data on WUE will be available to customers via EdgedIQ which is a proprietary cloud based system provided by Edged.
5.0-H	Site CUE Monitoring	1. Continuously monitored	**Optimum**	Data on CUE will be available to customers via EdgedIQ which is a proprietary cloud based system provided by Edged.
6	**OPENNESS**			
6.0-A	PUE Published	1. Real-time available online	**Optimum**	Data on PUE will be available to customers via EdgedIQ which is a proprietary cloud based system provided by Edged. Note data will be issued EC in accordance with the EED.
6.0-B	Facility Design Drawings & Files	1. Available to view upon request	**Optimum**	Information available to customers under NDA.
6.0-C	BMS / PMS Customer Access	1. External access provided through a MQTT Broker or other air gapped connection for telemetry purposes. (e.g. power monitoring)	**Optimum**	Data on plant status will be available to customers via EdgedIQ which is a proprietary cloud based system provided by Edged. Alternatively the raw data will be provided to customers through an API.
7	**CERTIFICATIONS**			
7.0-A	ISO/IEC 27001	1. Certification in process	**Optimum**	
7.0-B	SOC 1 Type II	2. Other (Notes Required)	**Acceptable**	At this present time these certifications are not being sought.
7.0-C	SOC 2 Type II	2. Other (Notes Required)	**Acceptable**	At this present time these certifications are not being sought.
7.0-D	PCI-DSS	1. Certification in process	**Optimum**	
7.0-E	Sustainability Assessment	2. Other (Notes Required)	**Acceptable**	Sustainability certification can be sought, subject to customer requirements.
7.0-F	Data Center Certification	2. Other (Notes Required)	**Acceptable**	No other certifications are currently being sought