OCP Ready COLO Facility Assessment	*JAK2*
Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS
Data Center Location Name	SpaceDC JAK2
Data Center Location Address	Jl. Daan Mogot KM. 18 No.18, RT.11/RW.6, Kalideres, Jakarta Barat 11840, Indonesia
Site Description: White Space Area	1 x data hall, 700m2 data hall.
Site Description: Critical IT Power	1,400kW per data hall
Site Description: Network Provider Availability	Carrier neutral site, with more than 7 network providers.
Site Description: Facility Features	Site includes 2 story admin building, technical support spaces including UPS, generator and cooling plant, loading docks, MMRs and security. 2 x single story data halls.
Site Description: Other Services	We provide business continuity seating, customer desking, offices, lockers and meeting spaces upon request.
Date Original Assessment is Completed	6-12-2020
Re-Assessment Date:	

REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes
ACCESS			
Building Access	2. Road level with step and threshold free access	**Acceptable**	The building has disability access provided, in addition to a dock.
Delivery pathway, Loading dock to Goods in	1. ≥2.7m (108in) H x ≥2.4m (96in) W x ≥2.4m (96in) D unobstructed access and threshold free	**Optimum**	We have a 6m wide roadway to the loading dock with unobstructed height.
Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	**Optimum**	We have a controlled pathway with depacking, test and build rooms, prior to data hall delivery.
Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	We have a concrete floor throughout the facility.
Unboxing/pre-staging/storage area floor uniform load	2. ≥732kg/m2 (150lb/ft2) (7.17kN/m2)	**Acceptable**	We have depacking, pre-staging storage areas on the ground floor.
Unboxing/pre-staging/storage area floor concentrated load	2. ≥567kg (1250lb) (5.56kN)	**Acceptable**	We have depacking, pre-staging storage areas on the ground floor.
RAMPS			
Gradient	1.1:12 or less	**Optimum**	Compliant with international standards for access.
Width	1. ≥1.5m (60in)	**Optimum**	We generally provide 1.8m minimum access to all critical spaces.
Landing area	1. ≥1.5m x 1.5m (60in x 60in)	**Optimum**	We provide landing areas.
Railings	1. ≥900mm (36in) and <1000mm (40in)	**Optimum**	Where required to meet code, these are provided.
LIFTS / ELEVATORS			

Weight loading	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Door height	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Width	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Depth	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
WHITE SPACE			
Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum	We have a concrete slab for the data hall.
Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum	We have a concrete slab for the data hall.
Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	Optimum	We have a concrete slab for the data hall.
Finished floor to ceiling height	2. ≥3.1m (124in)	Acceptable	We have 3.4m to accommodate 48RU racks.
Access floor clearance	1. Not Applicable - No Access Floor	Optimum	No raised floor within the data hall.
ELECTRICAL			
Number of independent circuits to the rack	1. 2N (A+B)	Optimum	We provide dual above each cabinet bus bars to distribute power throughout the hall.
Circuit capacity	1. 3ϕ 32A/230V	Optimum	Dual take off boxes are possible, nominal 32A or up to 63A 3 phase dual supplies to each cabinet.
Circuit voltage	1. 400/230 VAC nominal	Optimum	Our facility meets Indonesian standard of 415.
Circuit frequency	1. 47-63 Hz	Optimum	Our facility meets Indonesia requirement for 50hz.
Power receptacle / WIP Type	1. IEC60309 532R6W	Optimum	IEC60309 from take off boxes.
Circuit receptacle location	1. Overhead	Optimum	Take off from bus bar overhead.
Upstream UPS options	2. UPS only feed available	Acceptable	We provide A and B UPS feeds to each rack.
Rack-based batteries permitted	1. Allowed	Optimum	We have lithium batteries for our UPS that provide 5min battery autonomy.
Generator load acceptance time	1. <60 seconds	Optimum	We have MTU / Rolls Royce engines capable of taking load immediately (no paralleling requirement).
COOLING			
Rack airflow direction	1. Front to Back	Optimum	We have deployed hot aisle containment.
Air containment methods	1. Hot aisle containment or rack chimney	Optimum	We have a no raised floor facility, with a hot air chimney that connects to a hot air return plenum, leading to the fan wall.

Maximum rack density	1. ≥12kw	**Optimum**	We are able to support racks of up to 15KW without supplemental cooling.
Minimum cold aisle width	1. ≥1500mm (60in)	**Optimum**	We have reduced the isle to 1200mm to meet customer expectation.
Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	**Optimum**	We accommodate this requirement.
Minimum hot aisle width	1. ≥1200mm (48in)	**Optimum**	We accommodate this requirement.
Inlet air conditions	1. ASHRAE Class A1 Allowable	**Optimum**	We embrace ASHRAE expansion.
Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	**Optimum**	We also filter external air with high grade filtration, to prevent contaminants entering the data hall.
Temperature rise	1. ≥12 Deg C DeltaT	**Optimum**	Our design assumes a 12 Deg C delta.
Cabinet blanking of open space	1. Mandatory	**Optimum**	We specify blanking in the data center rules and regulations.
CABLING			
Cabling infrastructure pathways	1. Top and Front of rack fed	**Optimum**	Yes, subject to customer preference.
Overhead Network Infrastructure containment levels	1. 3 Levels (Intra-Pod cabling; Inter-Pod cabling; OOB cabling)	**Optimum**	We provide all cabling infrastructure overhead.
Fibre Type (if installed)	2. Installed Per Customer Requirements	**Acceptable**	We are a new facility (2020) and use fibre as normal.
Fibre connection presentation (if installed)	2. Installed Per Customer Requirements	**Acceptable**	We have 7 telco providers networking into the facility day 1. We have a further 6 providers awaiting customer order to network into MMR.
CONSIDERATIONS (For information only)	**Parameter**	**Result**	**Notes**
SERVICE			
Replacement PSU Modules	1. In stock onsite	**Optimum**	We have PSU Modules spare parts ready
Replacement BBU Modules	1. In stock onsite	**Optimum**	We have BBU Modules spare parts ready
Option to monitor PSUs and BBUs	1. Yes	**Optimum**	We can monitor PSU and BBU device through DCIM.
Remote hands for PSU and BBU replacement or expansion	1. Yes	**Optimum**	SpaceDC Technician will be able to undertake PSU and BBU replacement and expansion.
Remote hands for OCP IT hardware replacement or expansion	1. Yes	**Optimum**	SpaceDC Technician is able to undertake IT Hardware replacement and expansion.
EFFICIENCY			

Site Operations Standards	2. Bicsi 009-2019 Data Center Operations and Maintenance Best Practices	**Acceptable**	We have an experienced data center operations team.
Site PUE Monitoring	1. Continuously monitored	**Optimum**	We monitor PUE continuously through our ICMS.
Site Design PUE	2. <1.5	**Acceptable**	Site PUE design is < 1.5.
Site Annualized PUE Current Achievement	2. <1.5	**Acceptable**	Site PUE design is < 1.5.
Site WUE Monitoring	1. Continuously monitored	**Optimum**	We monitor WUE continuously through our ICMS.
Site CUE Monitoring	1. Continuously monitored	**Optimum**	We monitor CUE continuously through our ICMS.
OPENNESS			
PUE Published	2. Available upon request	**Acceptable**	PUE will be publish upon request, in accordance with Green Grid calculations.
Facility Design Drawings & Files	2. Available to view upon request	**Acceptable**	Facility Design Drawings and Files will be available for customers to view upon request.