OCP Ready COLO Facility Assessment	Borealis Data Center BLD-DC, B52			Borealis Data Center BLD-DC, B62			[Site #3 specific name]	
Self Assessment Status: Data Center Location Name	COMPLETE-MEETS REQUIREMENTS Blondouts, building BS2 Blondouts (reland			COMPLETE-MEETS REQUIREMENTS Blönduós, building 862			NOT COMPLETED	
Data Center Location Address	2 whitesnares 370m2 earh concrete slah direct.air.co	Ds with 12 mws of 12 v 600v1200mm 600 high racks	Planned completion on lune 2023 of 2 whitespares 37	Blönduós, Iceland  Planned completion on June 2023 of 2 whitespares 370m2 each concrete slab indirectair cooled. Pre-installed PODs with 12 mass of				
	22kW to 44kW each. Other configurations available with racks to separate cold air from hot air and either exha- annua	(single N). Hot air containment with a plenum above the through the CRAH units. Direct air cooling guarantees	12 x 600x1200mm, 60U high racks, designed for 224W each. Other configurations available with densities up to 444W. Hot air containment with a pleasur above the racks to separate cod at from heir air and either exhaust or recirculate back through the CRAH units. Coding provided through free coolers outside and heat-exchangers without any compressors or even adaibatic spray,					
Site Description: White Space Area								
Site Description: Critical IT Power Site Description: Network Provider Availability	Total power on site is 63MW. The facility is a building within this site and offers a total of 12MW in N setup or 6MW in 2N setup (interchangeable).  ISPs (Simion, Nova, Vodatlone, 8TT, etc), dark fiber			Planned total power on site is 63MW. The facility is a building within this site and offers a total of 6MW fully concurrently maintainable power feeds with Jab to the if requirements.  SPI (Simin, Nova, Vodafone, 8TT, etc.), dark fiber				
Site Description: Facility Features Site Description: Other Services	100% year round free cooling, perimeter air cooling or liquid to the rack/POD, Security  Storage Area, Technical and office areas, smart hands, SLAs			100% year round free cooling, parimeter air cooling or liquid to the rack/POD, Security  Storage Area, Technical and office areas, smart hands, SIAs				
Date Original Assessment is Completed Re-Assessment Date:	11/28/2022			11/28/2022				
REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes	Parameter	Result	Notes	Parameter	Result Notes
ACCESS  Building Access	Road level with step and threshold free access	Acceptable		Road level with step and threshold free access	Acceptable			
	2. ≥2.7m (108in) H x ≥1.2m (48in) W unobstructed			2. ≥2.7m (108in) H x ≥1.2m (48in) W unobstructed			0. Selection Required	
Delivery pathway, Loading dock to Goods in	access and threshold free	Acceptable	Separate Loading Dock/Storage Area connected to the building via a service corridor.	access and threshold free	Acceptable	Separate Loading Dock/Storage Area connected to the building via a service corridor.	0. Selection Required	
Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	Optimum		1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	Optimum		0. Selection Required	
Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum		1. ≥680kg (1500lb) (6.67kN)	Optimum		0. Selection Required	
Unboxing/pre-staging/storage area floor uniform load Unboxing/pre-staging/storage area floor concentrated load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2) 1. ≥680kg (1500lb) (6.67kN)	Optimum		1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2) 1. ≥680kg (1500lb) (6.67kN)	Optimum		0. Selection Required	
RAMPS	1. 2680Kg (1500ID) (6.67KN)	Оримим		1. 268UKg (15UUID) (6.67KN)	Optimum		0. Selection Required	
Gradient	Not Applicable - No Ramps Required	Optimum		Not Applicable - No Ramps Required	Optimum		0. Selection Required	
Width Landing area	Not Applicable - No Ramps Required     Not Applicable - No Ramps Required	Optimum		Not Applicable - No Ramps Required     Not Applicable - No Ramps Required	Optimum		0. Selection Required	<u> </u>
Railings	Not Applicable - No Railings Required	Optimum		Not Applicable - No Railings Required	Optimum		Selection Required     Selection Required	
LIFTS / ELEVATORS Weight loading	Not Applicable - No Lift/Elevator Required	Ontimus		Not Applicable - No Lift/Elevator Required	Ostimur			
Weight loading  Door height	Not Applicable - No Lift/Elevator Required     Not Applicable - No Lift/Elevator Required	Optimum		Not Applicable - No Lift/Elevator Required     Not Applicable - No Lift/Elevator Required	Optimum		O. Selection Required     O. Selection Required	
Width	Not Applicable - No Lift/Elevator Required	Optimum		Not Applicable - No Lift/Elevator Required	Optimum		Selection Required     Selection Required	
Depth	1. Not Applicable - No Lift/Elevator Required	Optimum		1. Not Applicable - No Lift/Elevator Required	Optimum		0. Selection Required	
WHITE SPACE Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum		1. ≥680kg (1500lb) (6.67kN)	Optimum		0. Selection Required	
Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum		1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum		0. Selection Required  0. Selection Required	
Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	Optimum		1. ≥680kg (1500lb) (6.67kN)	Optimum		0. Selection Required	
Finished floor to ceiling height  Access floor clearance	2. ≥3.1m (124in) 1. Not Applicable - No Access Floor	Acceptable		2. ≥3.1m (124in)  1. Not Applicable - No Access Floor	Acceptable		0. Selection Required	
ELECTRICAL ELECTRICAL	1. NOT Applicable - NO ACCESS FOOT	Optimum	concrete slab, no raised floor	1. Not applicable - No Access Floor	Optimum		0. Selection Required	
Number of independent circuits to the rack	1. 2N (A+B)	Optimum	customer chooses N or 2N, either is available without any further complications. In 2N setup, the IT equipment is required to have 2 PSUs or the customer sets up an ATS in each rack	1. 2N (A+B)	Optimum			
Maximum circuit capacity	1. 3¢ 32A/230V	Optimum	customer sets up an ATS in each rack	1. 3 <b>¢</b> 32A/230V	Optimum		0. Selection Required	<del>-</del>
Circuit voltage	1. 400/230 VAC nominal	Optimum		1. 400/230 VAC nominal	Optimum		Selection Required     Selection Required	
Circuit frequency	1. 47-63 Hz	Optimum		1. 47-63 Hz	Optimum		0. Selection Required	
Power receptacle / WIP Type	1. IEC60309 532R6W	Optimum	32A, 3ph, N, PE	1. IEC60309 532R6W	Optimum		0. Selection Required	
Circuit receptacle location  Upstream UPS options	Overhead     UPS and non UPS feeds available	Optimum Optimum		Overhead     UPS only feed available	Optimum Acceptable		0. Selection Required	<del>-</del>
Rack-based batteries permitted	1. Allowed	Optimum		1. Allowed	Optimum		O. Selection Required     O. Selection Required	
Generator load acceptance time	1. <60 seconds	Optimum	no generators for customer IT equipment, only for own net and security systems	1. <60 seconds	Optimum		0. Selection Required	
COOLING  Rack airflow direction	1. Front to Back	Optimum		1. Front to Back	Optimum		0. Selection Required	
Air containment methods	Hot aisle containment or rack chimney	Optimum		1. Hot aisle containment or rack chimney	Optimum		0. Selection Required	
Maximum rack density	1. ≥12kw	Optimum		1. ≥12kw	Optimum		0. Selection Required	
Minimum cold aisle width  Minimum free width cold aisle (Inside cage)	2. ≥1200mm (48in) 1. ≥1200mm (48in)	Acceptable Optimum	mostly 1.5m, but minimal is 1.2m	1. ≥1500mm (60in) 1. ≥1200mm (48in)	Optimum		0. Selection Required	<del>-</del>
Minimum hot aisle width	1. ≥1200mm (48in)	Optimum		1. ≥1200mm (48in)	Optimum		Selection Required     Selection Required	
Inlet air conditions	2. ASHARE Recommended	Acceptable		2. ASHARE Recommended	Acceptable		0. Selection Required	
Air quality	2. Other (Notes required)	Acceptable	EN779 G4 filtering and continuous gas particulate monitoring	2. Other (Notes required)	Acceptable	EN779 G4 filtering and continuous gas particulate monitoring	0. Selection Required	
Temperature rise  Cabinet blanking of open space	≥12 Deg C DeltaT     Mandatory	Optimum Optimum		1. ≥12 Deg C DeltaT  1. Mandatory	Optimum		Selection Required     Selection Required	
CABLING			customers are offered to host their network				u. selection Required	
Cabling infrastructure pathways	1. Top and Front of rack fed	Optimum	equipment in our MMR , anything goes from there . The MMR his backup up by diesel generators	1. Top and Front of rack fed	Optimum		0. Selection Required	
Overhead Network Infrastructure containment levels	2. 2 Levels (Intra-Pod cabling; Inter-Pod cabling)	Acceptable	as per customer requirements	3 Levels (Intra-Pod cabling; Inter-Pod cabling;     OOB cabling)	Optimum	as per customer requirements	0. Selection Required	
Fibre Type (if installed)	Installed Per Customer Requirements     Installed Per Customer Requirements	Acceptable Acceptable		Installed Per Customer Requirements     Installed Per Customer Requirements	Acceptable		0. Selection Required	<u> </u>
CONSIDERATIONS	Installed Per Customer Requirements     Parameter	Acceptable Result	Notes	2. Installed Per Customer Requirements  Parameter	Acceptable		0. Selection Required	
(For information only) SERVICE							Parameter	
Replacement PSU Modules	Secure storage available	Acceptable		Secure storage available	Acceptable		0. Selection Required	
Replacement BBU Modules	Secure storage available	Acceptable		Secure storage available	Acceptable		0. Selection Required	
Option to monitor PSUs and BBUs	1. Yes	Optimum	We currently offer monitoring services for equipment using Modbus or SNMP protocols	1. Yes	Optimum	We currently offer monitoring services for equipment using Modbus or SNMP protocols	0. Selection Required	
Remote hands for PSU and BBU replacement or expansion	1. Yes	Optimum	We currently offer remote hands services for standard IT equipment. Following customer	1. Yes	Optimum	We currently offer remote hands services for standard IT equipment. Following customer		
			OCP specific hardware We currently offer remote hands services for			OCP specific hardware We currently offer remote hands services for	0. Selection Required	
Remote hands for OCP IT hardware replacement or expansion	1. Yes	Optimum	standard IT equipment. Following customer requirements, we will train our DC Technicians for OCP specific hardware	1. Yes	Optimum	standard IT equipment. Following customer requirements, we will train our DC Technicians for OCP specific hardware	0. Selection Required	
EFFICIENCY								
Site Operations Standards	2. Other (Notes required)	Acceptable	As per customer SLA requirements	2. Other (Notes required)	Acceptable	As per customer SLA requirements	D. Selection Required	<u> </u>
Site PUE Monitoring	Continuously monitored	Optimum		Continuously monitored	Optimum		0. Selection Required	<u> </u>
Site Design PUE	1.<1.2	Optimum		1.<1.2	Optimum		0. Selection Required	
Site Annualized PUE Current Achievement	2. Other (Notes required)	Acceptable	Will be provided after one year of operation.	2. Other (Notes required)	Acceptable	Will be provided after one year of operation.	0. Selection Required	
Site WUE Monitoring	2. Other (Notes required)	Acceptable	Current design doesn't use water.	1. Continuously monitored	Optimum	near zero. See also description above	0. Selection Required	
Site CUE Monitoring  OPENNESS	1. Continuously monitored	Optimum		1. Continuously monitored	Optimum		0. Selection Required	
OPENNESS  PUE Published	2. Available upon request	Acceptable		2. Available upon request	Acceptable	Available once the facility is assessing	D Salaritan Brandard	
Facility Design Drawings & Files	Available to view upon request	Acceptable		Available to view upon request	Acceptable	Available once the facility is commissioned  Available once the facility is commissioned	Selection Required     Selection Required	
						Average once the racinty is commissioned	u. Sesection Required	