Salinity Management Plan 51 Huntingwood Dr, Huntingwood, NSW, 2148

Prepared for: EMKC Cubed Pty Ltd EP2631.003_v3 11 July 2022







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11 July 2022

Our Ref: EP2631.003_v3

LIMITATIONS

This Salinity Management Plan was conducted on the behalf of EMKC Cubed Pty Ltd for the purpose/s stated in **Section 1**.

EP Risk has prepared this document in good faith, but is unable to provide certification outside of areas over which EP Risk had some control or were reasonably able to check. The report also relies upon information provided by third parties. EP Risk has undertaken all practical steps to confirm the reliability of the information provided by third parties and do not accept any liability for false or misleading information provided by these parties.

It is not possible in a Salinity Management Plan to present all data, which could be of interest to all readers of this report. Readers are referred to any referenced investigation reports for further data.

Users of this document should satisfy themselves concerning its application to, and where necessary seek expert advice in respect to, their situation.

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QUALITY CONTROL

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Appendix A Proposed Development



1 Introduction

EP Risk Management Pty Ltd (EP Risk) was engaged by EMKC Cubed Management Pty Ltd (EMKC³) to prepare a Salinity Management Plan (SMP) for the proposed data centre development (the Development) located at 51 Huntingwood drive Huntingwood NSW 2148 (the Site). EMKC³ is currently assisting with the State Significant Development Application (SSD-41589232) approval process for the Site. The Development proposes the construction and operation of a Data Centre with a total power consumption of 400 MW including demolition, bulk earthworks, associated infrastructure and services, landscaping and car parking.

Previous investigations conducted at the Site by Douglas Partners (2021)¹ and EP Risk (2022)² presented evidence of salinity at the Site requiring further management. Following the findings of the previous investigations at the Site in relation to salinity, EP Risk was requested by the client to prepare an SMP in accordance with the requirements of section 13 of the Planning Secretary's Environmental Assessment Requirements (SEARs).

1.1 Objective and Scope

The objectives of the SMP is to ensure that water quality, soil runoff, site wastewater, potential water contamination associated with Salinity are considered and effectively managed during the Proposed Development.

The objectives of the SMP is to identify the potential for salinity issues to occur on the Site based on a review of EP Risk (2022) and DP (2021) and the nature of the proposed development and provide recommendations on the management of salinity during the construction phase of the proposed development.

The Scope of works to satisfy the objective comprise:

- Identify the potential for salinity issues to occur on the Site based on a review of DP (2021) and EP Risk (2022) and the nature of the proposed development.
- Address the requirements of the relevant environmental legislation and statutory requirements as it applies to the proposed development.
- Summarise potential impacts on the environment from the works for the Proposed Development
- Document environmental procedures that must be followed to control potential environmental impacts.

 ¹ Douglas Partners, Report on Geotechnical Investigation – Proposed Industrial Development 51 Huntingwood Drive (June 2021) (DP 2021)
 ² EP Risk Management, Salinity Assessment Report, 51 Huntingwood Drive, Huntingwood NSW 2148 (May 2022) (EP Risk 2022)



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1.2 Site Identification

Pertinent site identification details are presented in Table 1.

Table 1 – Site Identification			
Item	Description		
Site Address	51 Huntingwood drive Huntingwood NSW 2148		
Legal Description	Part Lot 1 in Deposited Plan (DP) 857249		
Approximate Site Area	9 ha		
Municipality	Blacktown City Council		
Zoning	IN2: Light Industrial		
Proposed Land Use	Commercial Industrial		



2 Review of Previous Investigations

EP Risk Management, Salinity Assessment Report, 51 Huntingwood Drive, Huntingwood NSW 2148 (May 2022) (EP Risk 2022)

The report presented the findings of a salinity assessment undertaken at the 51 Huntingwood Drive, Huntingwood NSW.

Soil samples were collected from 20 targeted boreholes at a maximum depth of 3.0 m below ground level (m BGL) and three groundwater samples were collected from existing monitoring well locations. The soil encountered at the Site generally comprised of FILL (sandy CLAY and clayey SAND) overlaying residual CLAY overlaying SHALE. Samples were collected in the natural clay and shale and the fill material at varying depths between 0.1 m BGL and 3.0 mBGL. The soil encountered in the boreholes appeared to be largely natural material with no visible salt scolds, signs or erosion, loss of vegetation, staining of house foundations or any other evidence indicating the presence of salinity, with the exception of minor vegetation die back and some patches of bare soil.

The results of the salinity testing report indicate that the soil at the Site is predominantly non-saline to slightly saline at the surface with sporadic areas of moderate and very high salinity. Salinity was observed to generally increase with depth with non-saline to slightly saline soils in underlying clays increasing to predominantly moderately saline and very saline in underlying Shale. The results of sodicity testing reported predominantly non-sodic soils with sporadic locations containing sodic to highly sodic soils. The results of salinity testing in groundwater at the Site indicates a shallow perched water table with very high salinity water and a deeper aquifer with extreme salinity water. It is likely the development will intercept the shallow perched water table however it is unlikely to intercept the deeper aquifer.

Douglas Partners, Report on Geotechnical Investigation – Proposed Industrial Development 51 Huntingwood Drive (June 2021) (DP 2021)

The following key points were noted relating to salinity aspects of the investigation:

- The Site was identified to be located within an area of moderate salinity potential, with reference to the Salinity potential in Western Sydney mapping.
- The typical sequence of subsurface conditions encountered in the boreholes comprised:
 - o Topsoil and FILL
 - o Residual CLAY
 - o Siltstone, Sandstone or interbedded Sandstone and Siltstone (Bringelly Shale)
- Results of the laboratory testing generally indicated that the residual clays on Site are nonsaline to moderately saline.
- Emerson class testing indicated the site soils were generally dispersive and present a high risk of salt transportation via surface water runoff or groundwater movement.



- In accordance with the criteria in Australian Standard AS2159 the results of aggressivity testing indicated:
 - The clay fill materials, residual clay soils and extremely weathered siltstone were generally classed as being mildly aggressive to buried concrete
 - The residual clay soils and weathered siltstone were classed as being mildly aggressive to buried steel.
 - The extremely weathered sandstone was non-aggressive to both buried concrete and steel, and that the clay fill materials are non-aggressive to buried steel.



3 Salinity Management Plan

The relevant guidance to industrial developments in localities with high salinity potential and high dryland salinity risk is outlined in the following documents:

- Western Sydney Regional Organisation of Councils Ltd (2003, Amended 2004) Western Sydney Salinity Code of Practice.
- Department of Infrastructure, Planning and Natural Resources (2003): Building in a Saline Environment.
- Department of Infrastructure, Planning and Natural Resources (2003): Roads and Salinity.
- Department of Infrastructure, Planning and Natural Resources (2004): Waterwise Parks and Gardens.
- Department of Land and Water Conservation (2002): Site Investigations for Urban Salinity.

With reference to the recommendations of the management of soils with known salinity risk from the documents above, it is considered the disturbance of potentially saline soils in the event of future development of the Site would be likely. The management options recommended for future development are outlined herein.

Proposed Development

The Proposed Development consists of the construction of a data storage centre which involves a significant earthworks program including a cut to fill to level areas of the Site and could involve piling for foundations to accommodate the associated development at the Site. The Proposed Development construction is likely to include but not be limited to, the following:

- Earthworks, including topsoil stripping, excavation to design depth.
- Temporary stockpiling of surplus soil material and subsequent off-site disposal or reuse onsite.
- Piling into the soil for foundations of proposed structures

A copy of the overall site plan for the Proposed Development is provided as Appendix A.

3.1 Assigning Roles and Responsibilities

The key stakeholders responsible for the implementation of the control measures outlined in the SMP are presented in **Table 2**.

Table 2 – Roles and Responsibilities			
Role	Party	Responsibilities	
Principal	ТВА	To engage the consultants and contractors and undertake all stakeholder management.	



Contractor	ТВА	To carry out the civil works associated with the Proposed Works and ensure compliance with the SMP any work health and safety controls and construction environment management plan (CEMP). The Contractor must maintain written records of activities undertaken each day and manage any unexpected finds.
Sub-contractors	ТВА	Toolbox meetings will be conducted with all subcontractors which will include Salinity component outlining the adopted management measures to address SSMP
Environmental Consultant	EP Risk Management	Periodic site inspections to review the effectiveness of salinity controls at the Site.

3.2 Environmental Impacts

The potential impacts of Salinity from the Proposed construction of the data centre include:

- Exposing saline / sodic soils to air in the vicinity of surface drains, basins or sensitive receptors causing erosion and release of salinity into the environment.
- Excavations and bulk earthworks to design subgrade level.
- Low permeability of the sodic soils restricting infiltration of surface water leading to ponding and erosion.
- The aggressivity and salinity of soil affects the durability and longevity of concrete and steel structures.
- Removal of native vegetation leading to increased dryland salinity impacts.

Elements of the Proposed Development will be designed to minimise excavations where practicable, however, excavations will be required and do have potential to intercept saline and sodic sub-soils.



3.3 Earthworks

3.3.1 Sediment and Erosion Controls

All sediment and erosion controls are to be installed prior to the commencement of any works and maintained throughout the course of construction until disturbed areas have been revegetated/ established. Erosion and Sediment controls should be outlined in a separate Progressive Erosion and Sediment Control Plan PESCP for the Site in accordance with the requirements of *Managing Urban Stormwater Soils and Construction* (Landcom, 2004). Types of erosion and sedimentation controls might include:

- Clean water diversion drains
- Sediment Basins
- Sumps
- Groundcover
- Sediment fences and/or similar objects

It is likely minor groundwater seepage flows will occur from cut faces during excavation works conducted at the Site, primarily along the interface of the residual clays and underlying shale bedrock and also through fractures in the rock. These could be collected through localised drainage measures (i.e sump and pump) and re-infiltrated into the aquifer onsite or treated onsite and disposed to the sewer under a trade waste agreement (TWA).

3.3.2 Materials Management

Care must be taken to avoid the reversing or mixing the soil profile and disturbance of natural drainage patterns during earthworks operations across the Site which may negatively impact on the salinity profile.

Filling areas should be capped with a more permeable material, revegetated and adequate surface drainage infrastructure installed to avoid excessive infiltration, minimise salt leaching and soil erosion. Capping of the upper surface of the sodic soils near structures will also reduce the effect of capillary rise, act as a drainage layer and reduce the potential for dispersive behaviour and erosion in the sodic soils.

Where possible materials used in the construction of fill embankments should be selected to contain minimal or no salt. Under circumstance where saline soils are exposed in cut or excavated then placed as filling, a permeable capping layer should be placed. The addition and mixing of gypsum into sodic soils can also be considered where appropriate, including where sodic soils are exposed on slopes to improve soil structure and minimise erosion potential.

Stockpiles should have adequate controls in place for erosion, covering and stabilisation and should placed sufficiently away from any watercourses.



3.4 Water Inputs

Underground water carrying pipes (including wastewater) and on-site sewerage systems (if relevant) should be properly installed to eliminate leaks with regular maintenance and/or checking for leaks. Changes to the on-site water balance may have an adverse effect to salinity potential.

Groundwater recharge is to be minimised by implementation of the following (where relevant to the proposed development design):

- Directing runoff from paved areas (roads, car parks, domestic paving etc) into lined stormwater drains rather than along grassed channels.
- Lining of ponds and water sensitive urban design water bodies to avoid groundwater recharge.
- Encouraging on site detention of roof runoff and use of low water demanding plants.
- Encouraging tree planting, especially adjacent to watercourses.
- The use of recycled wastewater for the watering of domestic gardens should be minimised.

3.5 Stormwater and Drainage

The following should be considered in the design of stormwater and drainage systems on-site:

- Underground water carrying pipes (including wastewater) and on-site sewerage systems (if relevant) should be properly installed to eliminate leaks with regular maintenance and/or checking for leaks.
- Services should be joint trenched where possible.
- Water supply pipes must be copper or a non-metal acceptable to Sydney Water.
- Sewer pipers must be un-plasticised Poly Vinyl Chloride (PVC) or other material acceptable to Sydney Water.
- The design slope of exposed/open concrete slabs and surrounding areas should be designed to minimise ponding and the potential for increased infiltration.
- Slab, foundations and retaining wells designed to allow good drainage / minimise water logging.
- Existing areas of waterlogging and poor drainage should be remedied prior to development construction.
- Design and layout of retaining walls, driveways and service connections reduces cut, minimises impediment of natural groundwater flows and provides for good drainage.
- Guttering and down pipes properly connected and maintained.
- Infiltration trenches should be avoided as this could lead to waterlogging and subsequent salinisation of soils onsite.



3.6 Vegetation

The following should be considered in the design in regard to vegetation on the Site:

- Areas of established vegetation are to be maintained and protected where practicable.
- The vegetation should be designed to retain as much of the natural site water balance as possible. i.e limiting the removal of deep-rooted trees that reduce the water table rising to the surface.
- Salt tolerant plants should be utilised as much as possible.
- Landscaping plans should adopt principles outlined in the Department of Infrastructure, Planning and Natural Resources (2004): Waterwise Parks and Gardens document.
- Irrigation systems should be properly installed to avoid leakage and 'smart' sprinkler systems considered.
- Re-use of non-saline soils sources from the Site or imported into the Site in landscaped gardens where practicable.

3.7 Building Construction and Design

Given the Site is considered to contain saline and sodic sub-soils, there is a requirement to minimise the exposure to these soils to building materials. Australian Standards for piling design and installation, concrete structures, masonry structures, residential slabs and footings or any other relevant standard or provision referred to for salinity under the Building Code of Australia and Council's Engineering Design Specifications should be consulted for specific salinity design and management requirements.

Where buildings are to be constructed directly on susceptible or exposed areas, then consideration of the following precautions should be adopted in the construction process:

- Install a properly constructed damp proof course beneath buildings, paths and driveways.
- Consideration should be given to the need for salt and resistant bricks and construction materials where applicable. A corrosion expert should be consulted to assess the compatibility of building materials with soil conditions at the Site.
- Susceptible construction materials should be avoided, i.e. porous materials.

The following should be considered in the design of roads and pavement:

- Inclusion of appropriate sub-surface drainage that does not divert moisture to road layers.
- Choose road materials that are not susceptible to corrosion.



4 Conclusion

The SMP was conducted to identify the potential for salinity issues to occur on the Site based on a review of EP Risk (2022) and DP (2021) and the nature of the proposed development and provide recommendations on the management of salinity during the construction phase of the proposed development.

Based on the results of the assessment saline sub-soils were identified at the Site which requires the implementation of this SMP. The management strategies and controls detailed within this SMP are considered appropriate to mitigate the identified saline sub-soils during the construction phase of the proposed development at the Site.

The structural design should consider the potential for soils onsite to be mildly or moderately aggressive to steel and concrete. This SMP should be considered as part of a greater Site Environmental Management Plan for the construction phase of the site operations.

APPENDIX A



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LEGEND	
	SITE BOUNDARY
	min. 2.5m (H) WELDED MESH (ANTICLIMB) FENCE - BLACK FINISH
	1.8m (H) PVC COATED CHAIN LINK FENCE - BLACK FINISH

DA SITE AREA 90582 m²

51 HUNTINGWOOD DRIVE

		/
	SETBACK	27
12 PARKING LOTS	+TO.0 HTTO.0	23000
+71.0	DRIVE	2400, 13000 93900
		000
	DA020 EXISTING CEMMEMORATIVE PLAQUE TO NEW LOCATION AND INTEGRATED WITH LANDSCAPING EXISTING DRIVEWAY TO BE DEMOLISHED. FOOTPATH AND KERB TO BE REINSTATED	
	NO. 52 HUNTINGWOOD DR	65950

NO. 50 HUNTINGWOOD DR

LEVEL SPACE GBA L1 ANCILLARY BUILDING 465 m² L1 FIRE STAIRS 145 m² L1 GANTRY / PLANT 203 m² L1 SUBSTATION 1471 m² L1 SUBPORT SPACE 3544 m² L1 SUPPORT SPACE 1285 m² M SUPPORT SPACE 1285 m² M SUPPORT SPACE 1285 m² L2 DATA HALL 23930 m² L2 DATA HALL 23930 m² L2 GANTRY / PLANT 12161 m² L2 GANTRY / PLANT 12161 m² L2 GANTRY / PLANT 12161 m² L3 DATA HALL 26122 m² L3 DATA HALL 26122 m² L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2782 m² L4 DATA HALL 26122 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE <	DA GBA CALCULATION				
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L2 GANTRY / PLANT 12161 m² L2 SUPPORT SPACE 6296 m² L2 43061 m² L3 DATA HALL 26122 m² L3 FIRE STAIRS 333 m² L3 GANTRY / PLANT 13824 m² L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2782 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 2782 m² L5 DATA HALL 26123 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m²	L2	FIRE STAIRS	674 m²		
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L2 43061 m² L3 DATA HALL 26122 m² L3 FIRE STAIRS 333 m² L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 26122 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6	L2	SUPPORT SPACE	6296 m ²		
L3 DATA HALL 26122 m² L3 FIRE STAIRS 333 m² L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2781 m² L3 L4 DATA HALL 26122 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 2782 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L2		43061 m ²		
L3 FIRE STAIRS 333 m² L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 SUPPORT SPACE 2781 m² L3 JUPORT SPACE 26122 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L3	DATA HALL	26122 m ²		
L3 GANTRY / PLANT 13824 m² L3 SUPPORT SPACE 2781 m² L3 43060 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 JATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L3	FIRE STAIRS	333 m²		
L3 SUPPORT SPACE 2781 m² L3 43060 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L3	GANTRY / PLANT	13824 m²		
L3 43060 m² L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 26123 m² L4 SUPPORT SPACE 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L3	SUPPORT SPACE	2781 m²		
L4 DATA HALL 26122 m² L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 2782 m² L4 DATA HALL 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L3	I	43060 m ²		
L4 FIRE STAIRS 333 m² L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 SUPPORT SPACE 2782 m² L4 Jabor Space 26123 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L4	DATA HALL	26122 m ²		
L4 GANTRY / PLANT 13824 m² L4 SUPPORT SPACE 2782 m² L4 43061 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 13061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L4	FIRE STAIRS	333 m²		
L4 SUPPORT SPACE 2782 m² L4 43061 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L4	GANTRY / PLANT	13824 m²		
L4 43061 m² L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 13061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L4	SUPPORT SPACE	2782 m²		
L5 DATA HALL 26123 m² L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L4		43061 m ²		
L5 FIRE STAIRS 331 m² L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 SUPPORT SPACE 2782 m² L5 Jano 1 m² 43061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L5	DATA HALL	26123 m ²		
L5 GANTRY / PLANT 13824 m² L5 SUPPORT SPACE 2782 m² L5 43061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L5	FIRE STAIRS	331 m²		
L5 SUPPORT SPACE 2782 m² L5 43061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L5	GANTRY / PLANT	13824 m²		
L5 43061 m² L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L5	SUPPORT SPACE	2782 m²		
L6 DATA HALL 18089 m² L6 FIRE STAIRS 274 m²	L5		43061 m ²		
L6 FIRE STAIRS 274 m ²	L6	DATA HALL	18089 m ²		
	L6	FIRE STAIRS	274 m²		
L6 GANTRY / PLANT 19336 m ²	L6	GANTRY / PLANT	19336 m ²		
L6 SUPPORT SPACE 2212 m ²	L6	SUPPORT SPACE	2212 m ²		
L6 39911 m ²	L6		39911 m²		
L7 FIRE STAIRS 70 m ²	L7	FIRE STAIRS	70 m ²		
L7 GANTRY / PLANT 22691 m ²	L7	GANTRY / PLANT	22691 m ²		
L7 SUPPORT SPACE 84 m ²	L7	SUPPORT SPACE	84 m²		
L7 22845 m ²	L7		22845 m ²		
TOTAL GBA 242110 m ²	TOTAL G	BA	242110 m ²		

DA GFA CALCULATION				
LEVEL	Name	GFA		
L1	GFA	1819 m²		
L1	GFA (Office)	1344 m²		
М	GFA (Office)	1284 m²		
L2	GFA	25800 m ²		
L3	GFA	24885 m²		
L4	GFA	24885 m²		
L5	GFA	24885 m²		
L6	GFA	17600 m ²		
L7	GFA	45 m²		
TOTAL GFA 122546 m ²				

DA PARKING LOT								
	QUANTITY							
PARKING LOT	137							
PARKING LOT (ACCESSIBLE)	3							
DA BICYCLE PARKING								
	QUANTITY							
BICYCLE	10							
DA WASTE AREAS								
LEVEL	AREA							
L1	21 m²							
L2	24 m²							

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