

PRZESTRZEŃ PUBLICZNA / PUBLIC SPACE – NAZWA / NAME Lokalizacja / location NEW CAMPUS LEONARDO ARCHITETTURA (FROM AN IDEA OF RENZO PIANO)			
Lokalizacja / location	Lokalizacja na mapce / location on the map Via Andrea Maria Ampère, 10, 20131 Milano		
Funkcja obszaru z MPZP lub studium, ew. obserwacji/ function in the area taken from Local Development Plan or Study of the Conditions and Directions of the City's Spatial Development or observation	The area is meant for students of Polimi. The workshops area have been increased as well as cafeteria and public spaces.		
Informacje ogólne / General information	Greenery, Accessible terraces, Education project		
Projektant (projektanci) przestrzeni i otaczających budynków oraz krajobrazu, rok powstania, ogólna charakterystyka – wielkość etc. / Designer (designers) of this space, surrounding buildings and landscape, year of construction, general characteristics - size, etc.	- Renzo Piano, OTTAVIO DI BLASI & Partners - 2017-2020 - 12 200 m ² -Education establishment Surrounding buildings : other educational and institutional projects. Ground floor fonctions : cafes,		
			Kryteria analizy (Opis i ilustracje) / Criteria of analysis (Description and pictures)
ASPEKTY FIZYCZNE PRZESTRZENI / PHYSICAL ASPECTS OF SPACE	ARCHITEKTURA / ARCHITECTURE	KOMPOZYCJA (el. kompozycji – osie, dominanty, akcenty, konkretność wnętrza urbanistycznego, krawędzie, otwarcia, zamknięcia widokowe) / COMPOSITION (elements of composition - axes, dominants, accents, specificity of the urban interior, edges, openings, view closures)	The main axis is parallel to the street that cuts the campus in two halves. The second main axis is the link between the ancient campus and the new one. The ancient campus has an industrial architectural composition. The interior of the campus is very different from the rest of the city because greenery the marking element of public spaces. There are many openings to the city, both to the streets that lead to Lambrate railway station and to piazza Leonardo.
		FUNKCJA (funkcje w przestrzeni, funkcje otaczających)	Functions in the buildings: <ul style="list-style-type: none"> - Classes - Coworking areas - Common spaces - Administrative offices

		budynków) / FUNCTION (functions in space, functions of surrounding buildings)	- Food and beverage functions
		GABARYTY (proporcje wielkości pomiędzy przestrzenią a pow. Zabudowy, skala wnętrze, wysokość) / SIZE (proportions of THE size between the space and the built- up area, scale, interior, height)	The new buildings dimensions are related to the buildings around. For example the buildings in the back have the same high as the existing buildings. While the new buildings next to the street are lower in order to provide also public spaces on the roof top.
CHARAKTER ŚCIAN WNĘTRZA / CHARACTER OF THE INTERIOR WALLS		MATERIAŁY ELEWACYJNE / FACADE MATERIALS	Materials: - tiles - concrete -steel -glass
		RYTM ELEWACJI, OKNA, PODZIAŁY / RHYTHM OF THE FACADE, WINDOWS, PARTITIONS	The new buildings Curtain wall and vertical Bris Solaire. The old buildings - Grid façade and hexagonal openings.
		POSADZKA (wielopoziomowość , nachylenie, materiały wykończeniowe) / FLOORING (levels, slope, finishing materials)	New buildings : - GF +3/ or just GF -steel and Lineoleum finish Old building - Gf +6/ or GF +3 - steel or concrete and tiles or Lineoleum finish.
		ZADASZENIE (jest, jeśli tak to jakie?) / ROOF (if so, what is it?)	New buildings with only GF have accessible roofs. Flat roofs for all building
KOMUNIKACJA / TRANSPORT		DOJAZD (typ dostępu, miejsca postojowe, droga pożarowa, alternatywne pojazdy) / DRIVE ACCESS (access type, parking spaces, fire road, alternative vehicles)	Service access for vehicules used also as a fire road.
		DOSTĘP	

		(komunikacja pionowa i pozioma) / ACCESS (vertical and horizontal transport)	Access to metro, tram, bus and electric singular vehicles (scooters, bikes...)
		WEJŚCIA / ENTRANCES	Main entrance oriented to the west which is coming from a pedestrian square.
ELEMENTY NATURALNE / NATURAL ELEMENTS		ZIELEŃ (rola kompozycyjna) / GREEN (compositional role)	The greenery defines the public spaces. Thought by Renzo Piano to be used as shading elements. Also with the intention to increase biophilia.
		WODA / WATER	No water
		NASŁONECZNIENIE / INSOLATION	There are high. Uildings in the surroundings of this campus, creating an insulation or a natural shading system from the sun
		UKSZTAŁTOWANIE TERENU, MASY ZIEMNE / TERRAIN SHAPE, GROUND WEIGHTS	Straight terrain
HAŁAS / NOISE		WYTWARZANIE HAŁASU, OCHRONA / GENERATING NOISE, PROTECTION	Tram, cars and buses are source of noise. The sound proof method used is the greenery and the different levels of public spaces.
		HAŁAS Z ZEWNĄTRZ, OCHRONA / NOISE FROM OUTSIDE, PROTECTION	The sound proof method used is the greenery and the different levels of public spaces.
KONTEKST KULTUROWY / CULTURAL CONTEXT	PRZESTRZEŃ / SPACE	dobro wspólne, dzielona na części, prywatna space / common good, divided into parts, private space	The campus is divided in a way where all the spaces are connected visually. The private spaces in this campus is the classrooms, co-working areas... Because one of the main idea in the conception of this project is the accessibility for the public.
	ASOCJACJE / ASSOCIATIONS	relacje międzyludzkie, identyfikacja z	

		innymi, struktura społeczna / interpersonal relations, identification with others, social structure	Project thought of to create and generate a lot of public spaces and pushing the users to cooperate and interact.
	ELEMENTY TOŻSAMOŚCI / IDENTITY ELEMENTS	negatywne, pozytywne, miejsce, obiekt, budynek, człowiek/grupa ludzi / negative, positive, place, object, building, person / group of people	The project has many open spaces, generating a lot of opportunities for students and staff to meet and give a sense to the place. Walking to the campus shows that it is reserved to a specific category (students and university workers). Thus we don't have different social categories. Moreover, the amount of public spaces and the disposition of the buildings creates visual connection and avoids blind spots
	HISTORIA MIEJSCA / HISTORY OF THE PLACE	poza elementami tożsamości?, "miękką" historia? / beyond the elements of identity? "a soft" story?	The campus used to be an industrial center, it became a campus in 1865. In the Sixties it was expanded in what nowadays is the architecture pole. The recent project by Renzo Piano added public spaces and buildings in the architecture area, establishing a strong relationship between what is new and the existing architectural masterpieces by Architects like Viganò and Gio Ponti
ZAGADNIENIA ETYCZNE / ETHICAL ISSUES	DOSTĘPNOŚĆ PRZESTRZENI / AVAILABILITY OF THE SPACE	przeciwdziałanie wykluczeniom, dostępność dla użytkowników z różnymi potrzebami / preventing exclusions, accessibility for users with different needs	This space is mostly used for education purposes, it is a space designed for individuals that share a common need. This inobtrusive space has accessible terraces opening itself to the public. Even if the users share a common need for the space, they have different roles in the space, not creating exclusion.
	POCZUCIE BEZPIECZEŃSTWA / SENSE OF SECURITY	komunikacja (ruch, kolizje, oświetlenie, nieprawidłowe używanie przestrzeni – zagrożenia, gradacja intymności przestrzeni, dystans społeczny / transport (movement, collisions, lighting, incorrect use of space - threats, gradation of intimacy of space, social distance	The sense of security felt by mostly all the individuals using the space is due to the quality of light that each room has, which is based on it's function. The width and height each space has an impact on what an individual senses in a space, it also has an impact on what an individual deems appropriate in a certain space, giving a definition to the characteristics of the space. In such place, since the users are mostly people who share their need of knowledge, rarely can you find an incorrect use of space and a sense of gradation of space. However, each function has it's own purpose and serves different kinds of users more than others, this depends on their role in the use of the space and in their need of such space. The feel of social distancing is present from a social point of view, the users share different social and professional needs and preferences, thus making them feel the need to be closer to other users sharing their preferences. However, this feel of social distancing does not have an impact on the sense of security.
	INTEGRACYJNA ROLA PRZESTRZENI / INTEGRATING ROLE OF SPACE	miejsca kontaktów społecznych dla różnych grup użytkowników, miejsca inicjacji kontaktów,	This space is basically built on places for social contacts, whether it is for a break, to co-work, research, learn... This space creates on its own places for social contact between various groups of users, contact can easily be initiated in such environment.

		powiązania przestrzeni wirtualnej z fizyczną / places of social contacts for various groups of users, places of contact initiation, connection of virtual and physical space	
	PROCESY PARTYCYPACYJNE / PARTICIPATION PROCESSES	Czy przestrzeń była projektowana w ramach partycypacji? Czy można ją adaptować do potrzeb? Czy istnieje w sieci społeczność związana z przestrzenią? / Was the space designed as part of participation? Can it be adapted to the needs? Is there a community related to space on the web?	Yes the space was designed as part of a participation from the public.
ZAGADNIENIA ŚRODOWISKOWE W KONTEKŚCIE PROJEKTOWANIA ZRÓWNOWAŻONEGO / ENVIRONMENTAL ISSUES IN THE CONTEXT OF SUSTAINABLE DESIGN	GOSPODARKA WODĄ OPADOWĄ / RAINWATER MANAGEMENT	zrównoważona – lokalna, ogólnomiejska, wykorzystanie wody opadowej w terenie, retencja, filtracja, odzysk, chłodzenie / sustainable - local, citywide, use of rainwater in the field, retention, filtration, recovery, cooling	There is not a system to recycle rainwater. All the buildings and open spaces are provide with elements to get rid of rainwater.
	GOSPODARKA ENERGIĄ ELETRYCZNĄ / ELECTRICITY MANAGEMENT	zasilanie urządzeń, stacje ładowania urządzeń, pojazdów, obwody administracyjne, energia odnawialna czy z sieci, technologie pozyskiwania energii / powering devices, charging stations for devices, vehicles, administrative circuits, renewable energy or energy from the grid, energy generation technologies	Some of the new buildings are provided with solar panels. Thus part of the energy is produced by such buildings , while the rest comes from the city grid. There are not stations to recharge electric vehicles.

	ZIELEŃ / GREEN	ochrona przed hałasem, ochrona przed przegrzewaniem UHI, ochrona przed zanieczyszczeniami, redukcja emisji CO2, produkcja – urban farming / protection against noise, protection against overheating UHI, protection against pollution, reduction of CO2 emissions, production - urban farming	As we said earlier, greenery is meant to provide: <ul style="list-style-type: none"> - cleaner air (reduction of CO2) - biophilia - shading elements - cooling - noise protection
	EDUKACJA ŚRODOWISKOWA / ENVIRONMENTAL EDUCATION	elementy edukacyjne, zabawki, wyniki pomiarów, dane dotyczące czystości powietrza / educational elements, toys, measurement results, air purity data	There are not elements to measure the quality of air. There are only signals to indicate not to pollute the campus and to motivate the use of green spaces and the important of using them in a sustainable and nature-friendly way