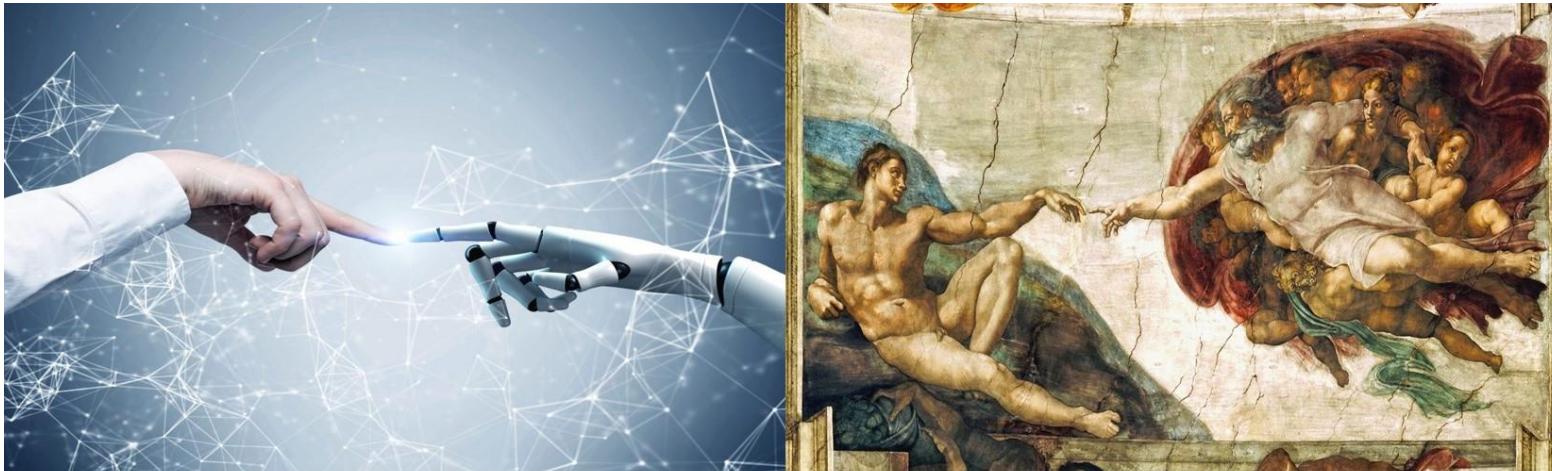


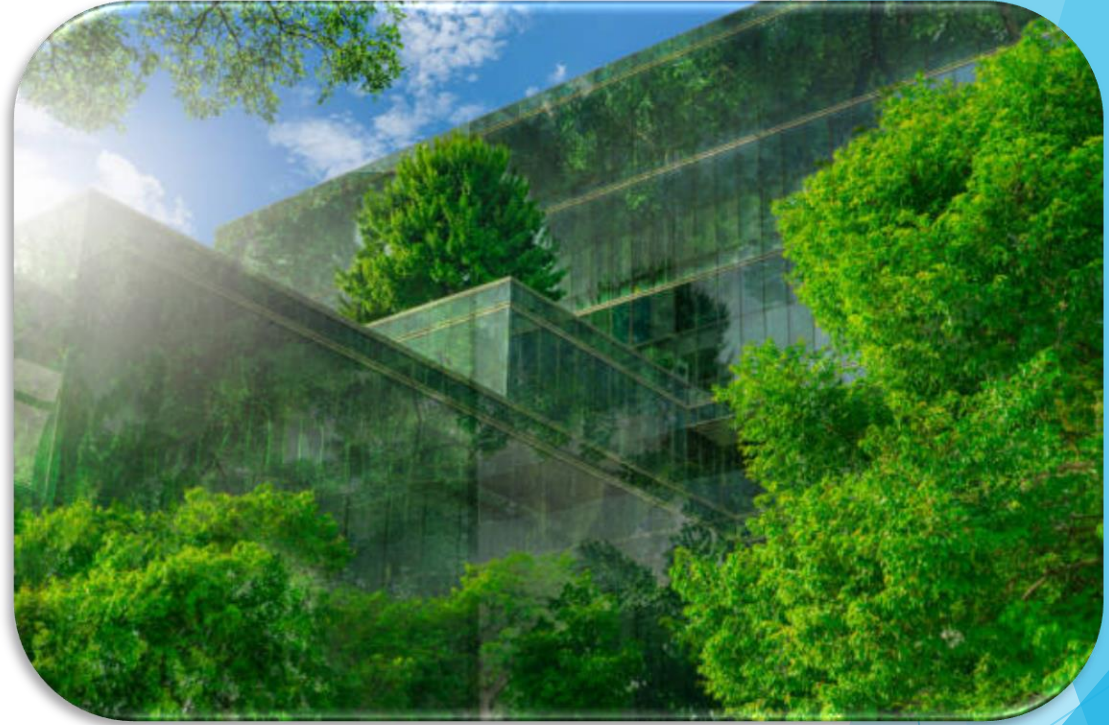
PHARMA1HUMANITAS HOLDINGS LTD CREATION A SMART MEDICAL SYSTEM



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FUTURE CONCEPT LAYOUT OF: SMART MEDICAL CITY COMPLEX



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FUTURE CONCEPT DESIGN OF SMART MEDICAL CITY INFRASTRUCTURE COMPLEX



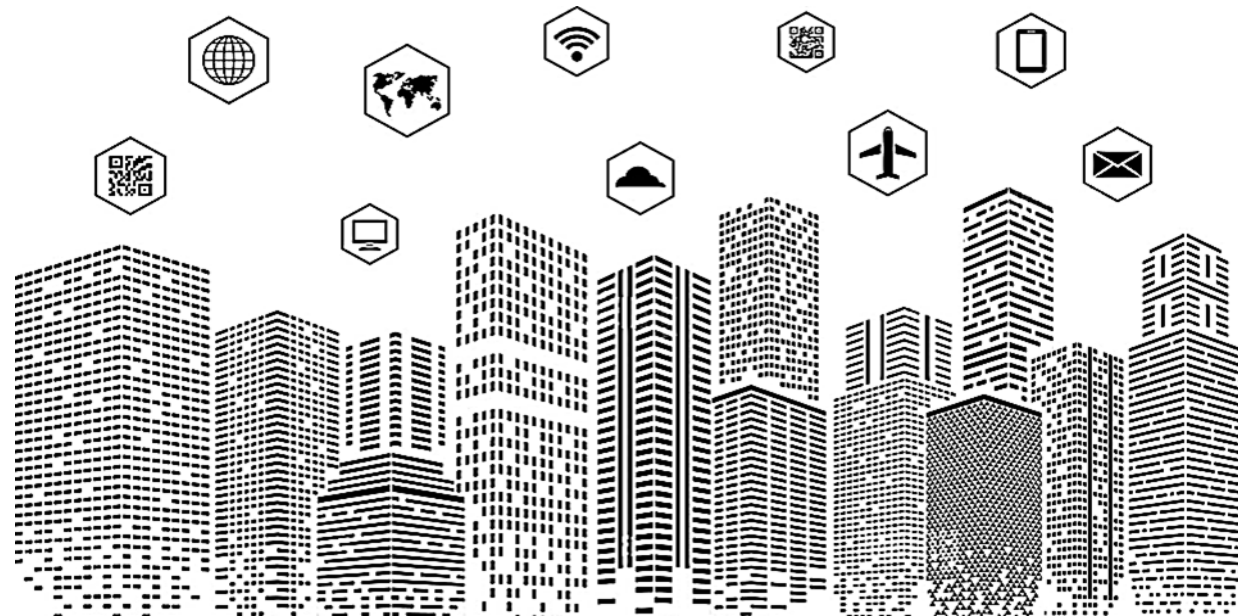
Copy & paste the following pdf link for see the others project for the design & engineering project of hospital infrastructure
<https://www.pharma1humanitas.com/hospital%20design.pdf>



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FUTURE CONCEPT DESIGN OF SMART MEDICAL CITY



PROCEDURE & STEPS	Année 1											Année 2											Année 3					
	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M1	M2	M3	M4	M5
AGREEMENT Signing in Italy or England/via PHARMA1HUMANITAS HOLDINGS consultancy				X																								
Field Work Implementation, Water, Gas, Electricity Sourcing Application				X	X	X	X	X	X																			
Pharma1humanitas holdings ltd Technologies set up Administrative & Legal Registration																												
Submission of Shares of the Declared Values By the Shareholders										X	X																	
Approval of the expenditures of general contractor and pharma1humanitas staff										X	X																	
Payment of engineering,marketing and panels of expert works & services in the pharma1humanitas Account in bank							X			X																		
Buyer will pay all of future work price for future Administrative Procedures								X	X	X	X																	
Business Licence Application & Industrial Licencing File Preparation								X	X	X	X																	
Field Work Analyses Upgrading For Project Implementation in buyer's area or in area choose by pharma1humanitas holdings ltd							X	X	X	X	X	X	X	X	X	X	X	X										
Ressources Application (Water, Electricity, Gas, incentives etc.,) Applications									X	X	X	X																
Prefeasibility Analysis & data Collection in future land				X	X	X	X	X	X	X																		
Transfer of Data for final Feasibility study and works							X	X	X	X	X																	
Feasibility & Viability Studies Commence in the future land							X	X	X	X	X																	
Field Work Continues in field for Site Securing & Preparation								X	X	X	X	X	X															
Approval of the Global Budget of the future project										X	X																	
transmission of Signed Documents. Buyer must payment the agree future invoice in reference the work of EPC contractors companies and pharma1humanitas holdings ltd panels of expert team											X																	
Technical Human Resources Search & Recruitment											X	X	X	X	X													
Building Construction/Equipment Acquisition & Installation on the Site											X	X	X	X	X	X	X	X										
Test Running of the realisations											X										X	X						
Lunching of the Full Scale Production and exploitation by Phases & Items																								X	X			
Audit & Evaluation of the After Project Lunching Program												X				X			X					X			X	

PHARMA1HUMANITAS EPC SMART CITY FUTURE SCENARIO OF WORK UPON BUYER REQUEST

YEAR	2025			2026												2027												2028						
Month of execution	C	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M		
1																																		
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6																																		
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Pharma1humanitas holdings ltd redesign healthcare through the digitalization of processes and the use of innovative technologies, in order to improve patient care, the quality of work of professionals and the overall sustainability of healthcare systems.



- ▶ Building a Smart Medical City with the Oncology Centre at its core requires a holistic approach, combining the latest in medical technology, patient care, and sustainable infrastructure. By focusing on a modular design, future integration of services, cutting-edge diagnostics and treatments, and a patient-first philosophy, the city can become a beacon of excellence in cancer care and rehabilitation. Collaboration with stakeholders, continual investment in technology, and a focus on patient experience will be key to its long-term success and impact. Pharma1humanitas holdings ltd Confirm key project suppliers (construction (EPC), Engineering Consultant, Operation and Maintenance (O&M));
- ▶ Prepare, negotiate and sign the terms sheets of key contracts and then the actual contracts of the project, in particular: property management concession if applicable, concession for the operation of related infrastructures if applicable, connection contracts, construction contract (EPC), operation and maintenance contract (O&M).



▶ Hospital and Oncology Centre Design

• Centralized Oncology Centre:

- Core services include advanced diagnostics, surgery, chemotherapy, and radiotherapy.
- Modular design for scalability with space for expansion based on future needs.
- Integrate specialized units for targeted treatments, immunotherapy, and experimental therapies.
- Incorporate patient-centric facilities such as private rooms, waiting areas, and recovery lounges.

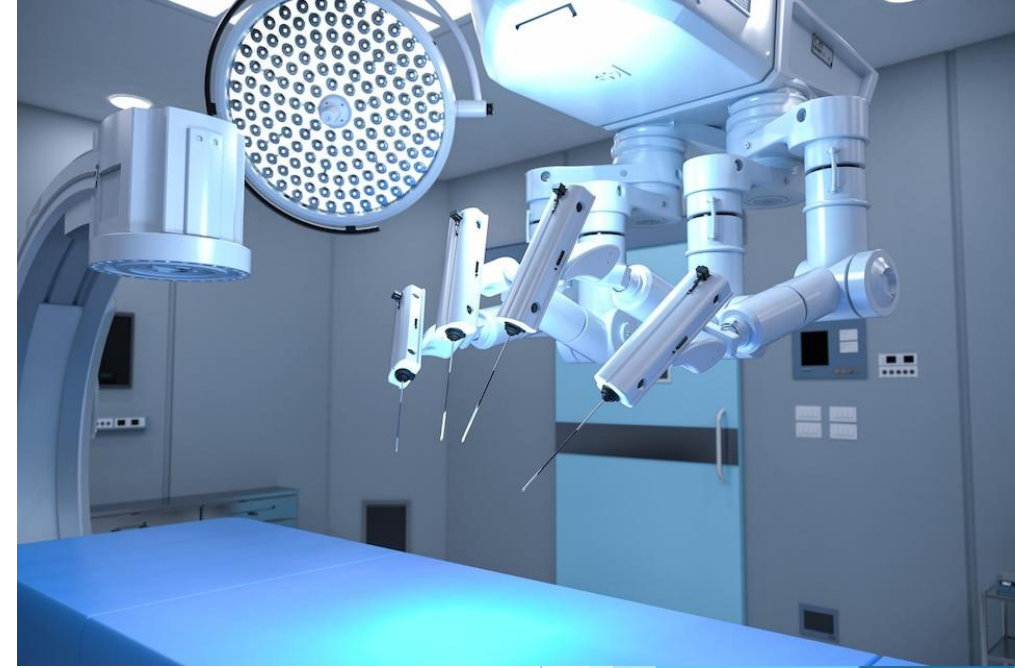
• Integration of Cutting-Edge Technologies:

- **Artificial Intelligence (AI) for Diagnostics:** Use AI to assist in early cancer detection, patient data analysis, and treatment planning.
- **Telemedicine:** Implement telehealth services for consultations, follow-up care, and second opinions.
- **Robotics:** Use robotic systems for surgeries, rehabilitation, and other therapeutic interventions.
- **Data Management & Patient Tracking:** Integrate electronic health records (EHR), patient portals, and real-time tracking systems for patient progress and treatment outcomes.

▶ Comprehensive Care Facilities

• Oncological Services:

- **Surgery:** State-of-the-art operating theaters for precision cancer surgeries.
- **Chemotherapy & Radiotherapy:** Dedicated, technologically advanced chemotherapy infusion units and radiotherapy rooms.
- **Follow-up Care:** Clinics for post-treatment care, physical rehabilitation, and mental health support.

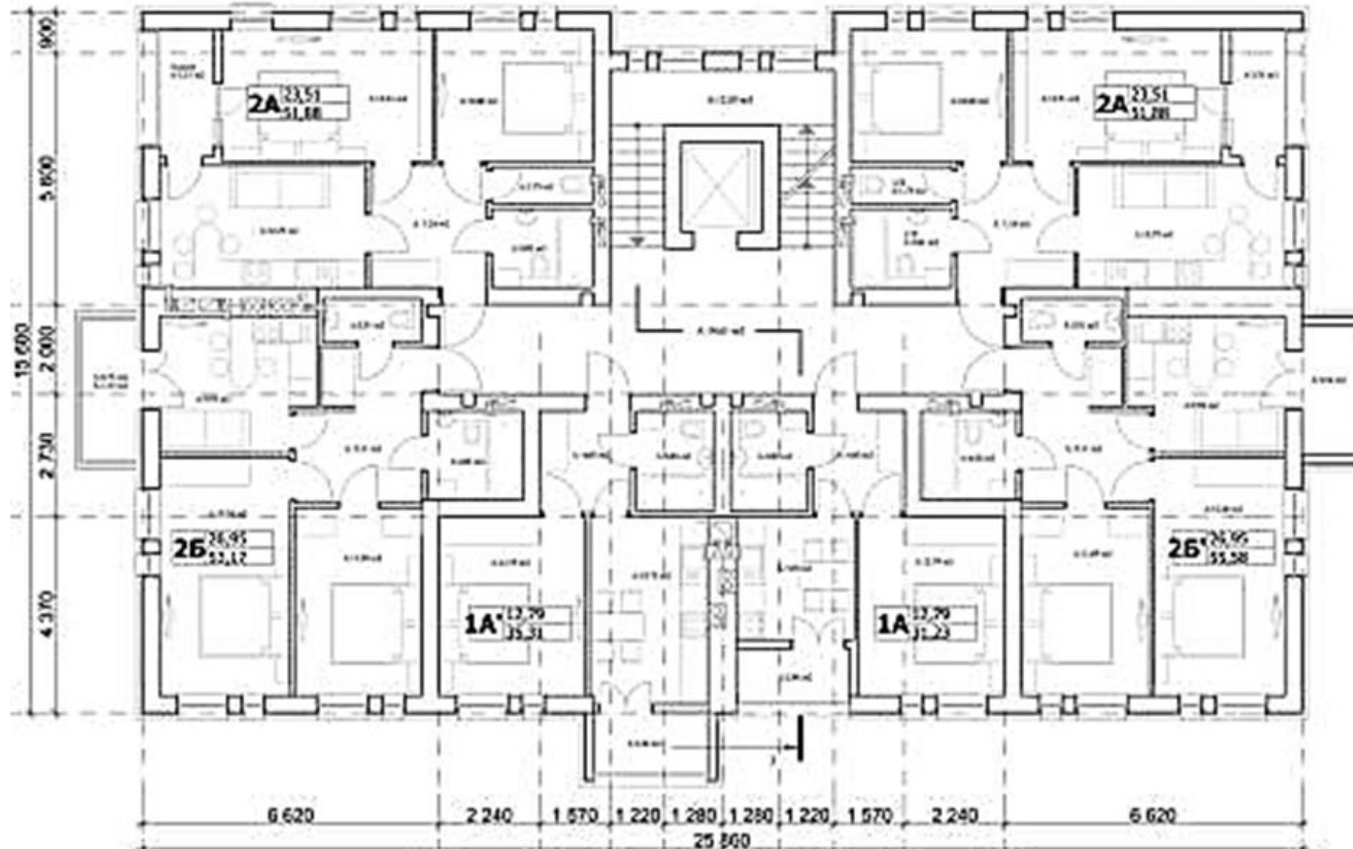




The idea is therefore to provide an infrastructure with optimal exploitation of the space made available with spatial enhancement following the 2D convertible 3D Design system as shown in the following feasibility study.



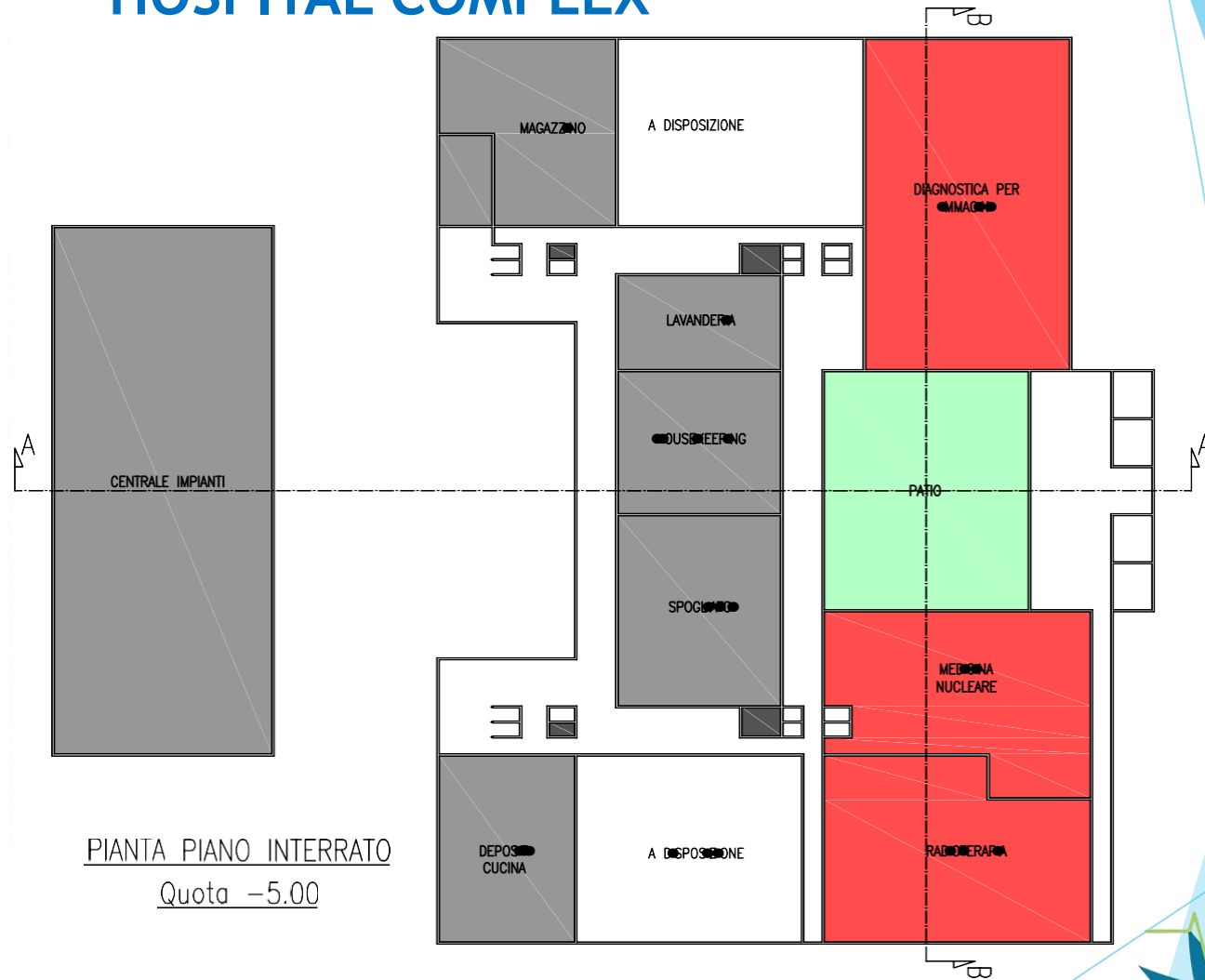
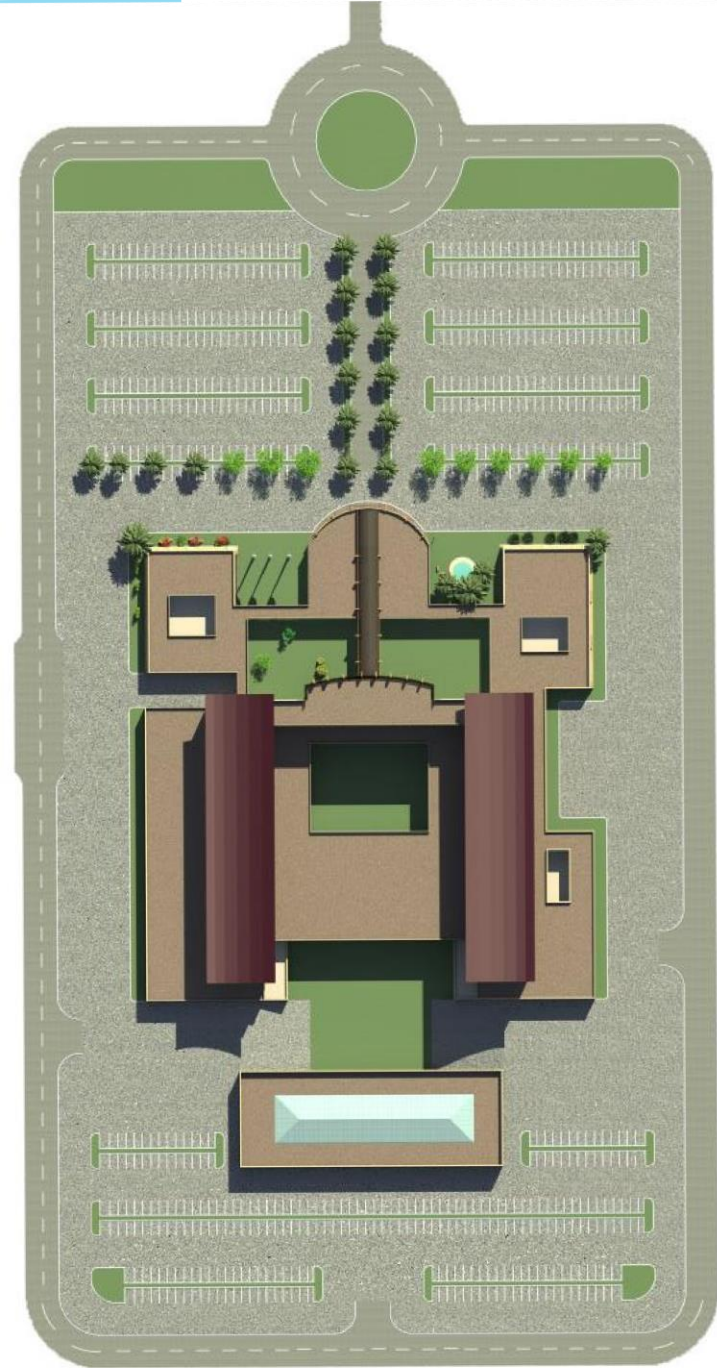
COMMERCIAL CENTRE TYPICAL FUTURE LAYOUT IN THE SMART MEDICAL CITY



3D-COMMERCIAL CENTRE TYPICAL FUTURE LAYOUT IN THE SMART MEDICAL CITY



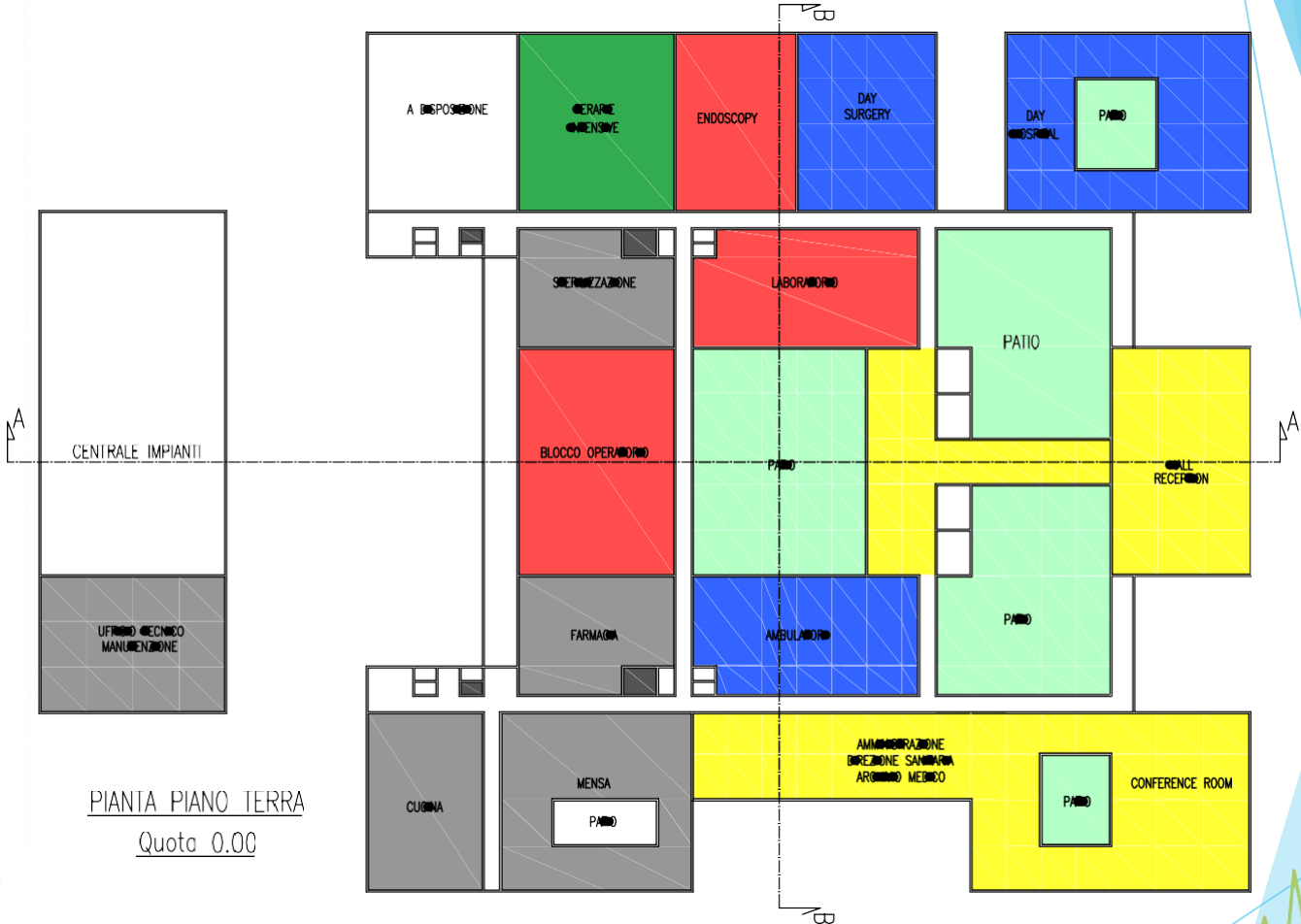
FUTURE SMART MEDICAL CITY HOSPITAL COMPLEX



PIANTA PIANO INTERRATO
Quota -5.00



FUTURE SMART MEDICAL CITY HOSPITAL COMPLEX



PIANTA PIANO TERRA
Quota 0.00



▶ The goal is to create a world-class facility where patients receive comprehensive care in a seamless manner, starting from diagnosis and treatment through to rehabilitation and follow-up care. Focus Areas: Oncology Excellence: Integrate cutting-edge technologies in diagnostic imaging (e.g., PET, MRI, CT), precision medicine, targeted therapies, and immunotherapies. Modular Design: The city should be flexible, with modules that can evolve and expand as medical technologies and treatment protocols advance. Integrated Services: Incorporate a range of services beyond oncology, such as psychosomatic rehabilitation, dental care, plastic surgery, and palliative care. 2. Site Selection & Master Planning. Location Analysis: Choose a site with proximity to transportation hubs, easy access for patients, and minimal environmental risk factors

▶ Urban Integration: Plan the Smart Medical City within a wider urban infrastructure context, ensuring ease of access for ambulances, patients, and staff. Sustainability: Plan for a sustainable and eco-friendly environment, incorporating green spaces, energy-efficient systems, renewable energy sources (e.g., solar, wind), and waste management systems.



- ▶ **1. Oncology Centre Core (Main Hospital)Ground** :Patient Reception & Registration: A spacious, welcoming reception area with digital check-in and self-registration.Emergency & Ambulance Bay: A dedicated zone for emergency patient drop-off and ambulance access, with quick access to imaging and emergency care departments.**Oncology Consultation Rooms:** Private, comfortable rooms for initial consultations, featuring telemedicine capabilities for remote consultations if needed.Diagnostic Imaging Area:PET Scan, CT, MRI, and Ultrasound rooms.Radiology suite with integration for AI-based diagnostic tools.Digital imaging systems to immediately transfer results to oncologists.**First :Chemotherapy Units:** Comfortable, spacious areas with recliners for chemotherapy infusions, private rooms for intensive treatment.**Radiotherapy Rooms:** Advanced equipment like Linear Accelerators (Linac) for conventional radiotherapy and specialized rooms for newer treatments (e.g., proton therapy, stereotactic radiosurgery).**Surgical Units:** State-of-the-art operating theaters for oncology-specific surgeries, such as mastectomies, tumor removals, and reconstructive surgery.**Support Facilities:** Pharmacy, and other specialized treatment services.**Second floor:**Oncological Rehabilitation Suites: Dedicated spaces for physical and mental rehabilitation, including therapy rooms for physiotherapy, speech therapy, and psychological counseling.**Patient Recovery Rooms:** Private rooms with advanced medical monitoring systems, automated systems for patient comfort, and integrated technology for remote consultation.**Nutritional Counseling & Wellness Services:** Dietitian consultation rooms for cancer-related nutritional therapy, as well as complementary services like acupuncture or massage therapy.**Roof :Rest and Recuperation Area:** A tranquil space with gardens, lounge areas, and natural light to aid in the recovery process and provide a peaceful environment for patients. **Modular Healthcare Zones (Expansion Areas)**The Smart Medical City should be designed in a modular fashion, allowing for the addition of specialized areas as the needs evolve.**Oncology Research Centre-Ground -Research Labs:** Cutting-edge lab facilities dedicated to cancer research, genomics, and drug discovery. Advanced tools for cellular and molecular research.**Clinical Trial Units:** Spaces for conducting clinical trials with monitoring rooms, data collection units, and collaboration areas.**Patient Enrollment & Consultation:** Dedicated rooms for patients interested in clinical trials or experimental therapies, integrated with telemedicine and AI-driven patient selection tools.**First :Collaboration Zones:** Conference rooms and co-working spaces for researchers, doctors, and university collaborators.**Data Centers:** Server rooms to house big data, genomic databases, and patient records securely.Psychosomatic & Mental Health **Support-Ground-Therapy Rooms:** Private counseling rooms for individual or family therapy, with integrated video conferencing for tele-therapy.**Support Groups & Workshops:** Group therapy rooms designed for cancer patients, and family members.**First :Meditation & Relaxation Rooms:** Quiet spaces designed for mindfulness, relaxation therapy, and holistic healing.**Art and Music Therapy Rooms:** Spaces for creative therapy sessions to help patients manage stress and improve mental well-being.



- Support and Auxiliary Services** These areas serve to complement patient care and the operational needs of the Smart Medical City.

Dental Care & Plastic Surgery: Ground :Dental Units: Exam and treatment rooms for managing oral health concerns related to cancer treatments (e.g., dry mouth, gum issues). Plastic Surgery Suite: Private consultation rooms for reconstructive surgery consultations (e.g., mastectomy reconstructions) and minor surgeries.

First :Surgical Recovery Units: Private recovery rooms and observation beds for patients recovering from oral or plastic surgery procedures.

Laser & Skin Treatments: Rooms designed for laser treatments or skin therapy related to cancer treatments and rehabilitation.

Pharmacy & Medical Supplies:Ground :Dispensary & Pharmacy: A fully stocked pharmacy offering chemotherapy drugs, pain management medications, and general healthcare supplies.

Medical Equipment Storage: A zone for storing medical devices like infusion pumps, radiation therapy tools, and personal care equipment for cancer patients.

Patient and Family Support Services These areas are vital in supporting the patient's experience, comfort, and family care during the treatment journey.

Ground :Visitor Lounges: Comfortable, spacious lounges for patient families, with areas to relax, grab food, and stay connected.

Cafeteria & Nutrition Zones: Healthy, cancer-supportive meal options for patients and families, alongside a pharmacy-style nutrition kiosk for dietary counseling.

First :Childcare Centre: For families with young children, a playroom that also includes educational resources on cancer and health.

Spiritual Care Rooms: Quiet, peaceful spaces for spiritual reflection, prayer, or meditation, tailored to accommodate various spiritual needs.

Sustainable Infrastructure Given the Smart Medical City's commitment to sustainability, several areas should be designed with green building principles and technology.

Energy Management Systems:Smart Grids & Solar Panels: Use of renewable energy sources like solar, wind, and geothermal heating.

Energy-Efficient Building Designs: Green-certified buildings using energy-saving materials, efficient HVAC systems, and automated lighting systems.

Water Conservation & Waste Management:Rainwater Harvesting Systems: Collection and filtration systems for rainwater reuse.

Recycling & Waste Management Areas: Separate zones for recycling, medical waste disposal, and eco-friendly waste management strategies.

Technology and IT Infrastructure The infrastructure of the Smart Medical City should incorporate cutting-edge technology to improve operational efficiency, patient experience, and clinical outcomes.

Central Data Management Hub: A secure, cloud-based data storage system for patient records, treatment history, research, and real-time monitoring of medical equipment.

Smart Patient Flow Management System: Automated scheduling, real-time patient tracking, and predictive analytics to optimize care delivery.

Telemedicine & Virtual Care Infrastructure: Fully integrated systems for remote consultations, follow-up appointments, and interdisciplinary team collaborations.

7. Public Health and Education Centre-To further engage with the community, the city could include a public health centre that serves as an educational hub.

Public Health Awareness Rooms: Offering workshops and seminars on cancer prevention, lifestyle choices, and early detection strategies.



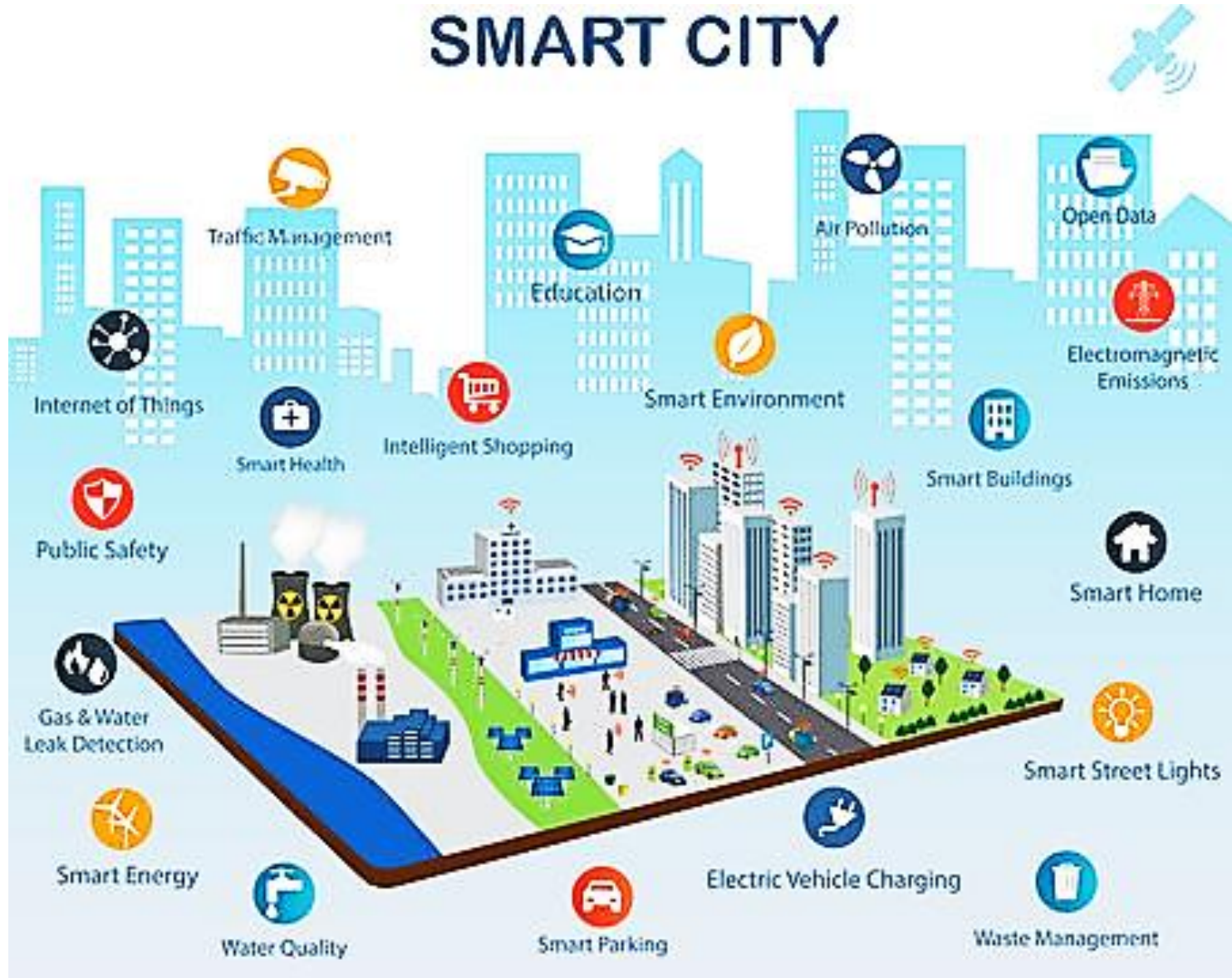
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▶ **Technology Integration & Smart Systems**

- **Internet of Things (IoT) & Sensors:** Use IoT to monitor patient vitals, track equipment, and optimize hospital operations (e.g., energy management, room temperature, medical inventory).
- **Smart Hospital Rooms:** Equip patient rooms with integrated technologies like automated lighting, voice-controlled systems, and remote monitoring of vital signs.
- **AI & Big Data Analytics:** Utilize AI algorithms for analyzing patient data to predict disease progression, identify personalized treatment plans, and offer predictive analytics for resource allocation.
- **Cybersecurity:** Protect patient data and medical records with advanced cybersecurity protocols, ensuring compliance with health data protection regulations



SMART CITY



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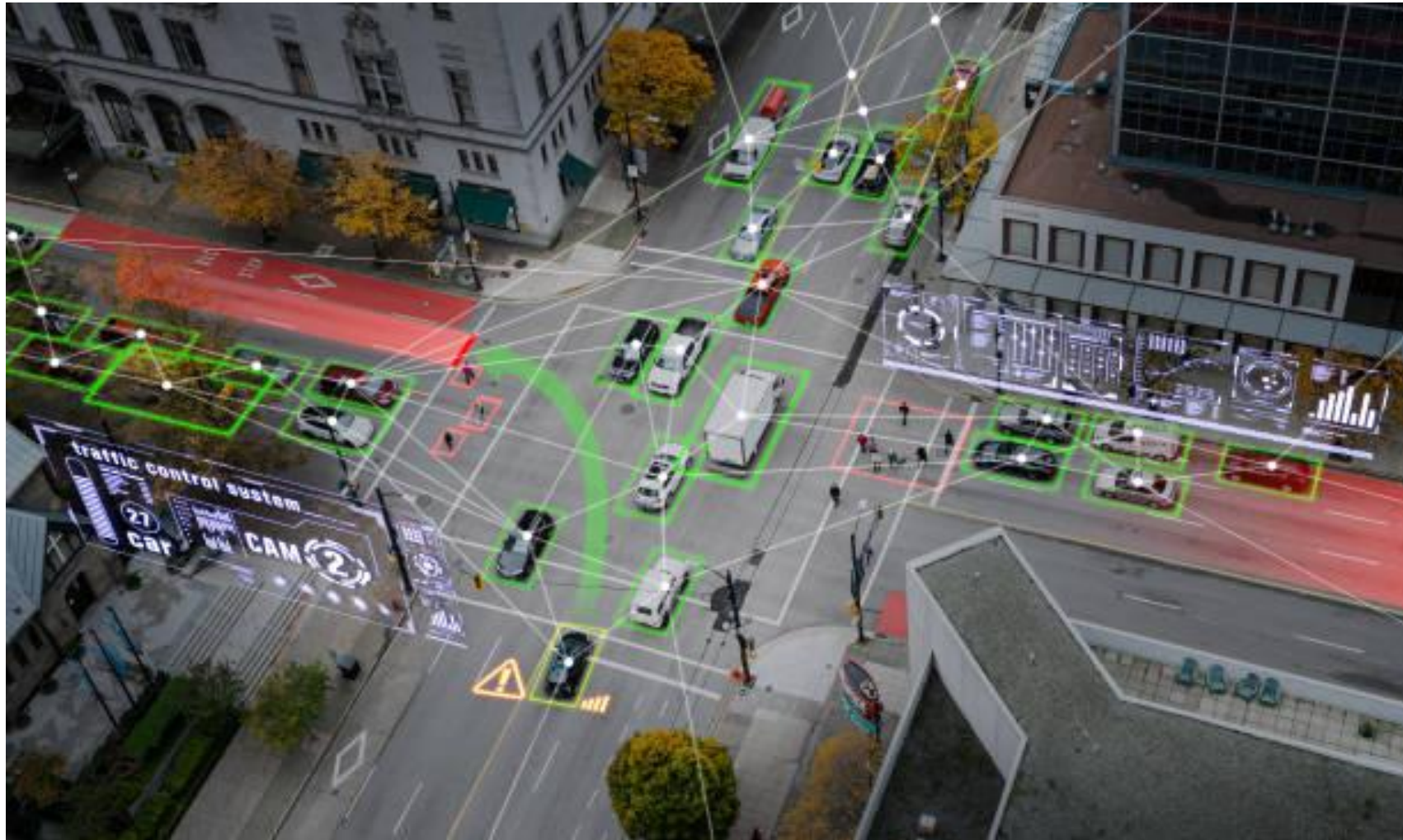
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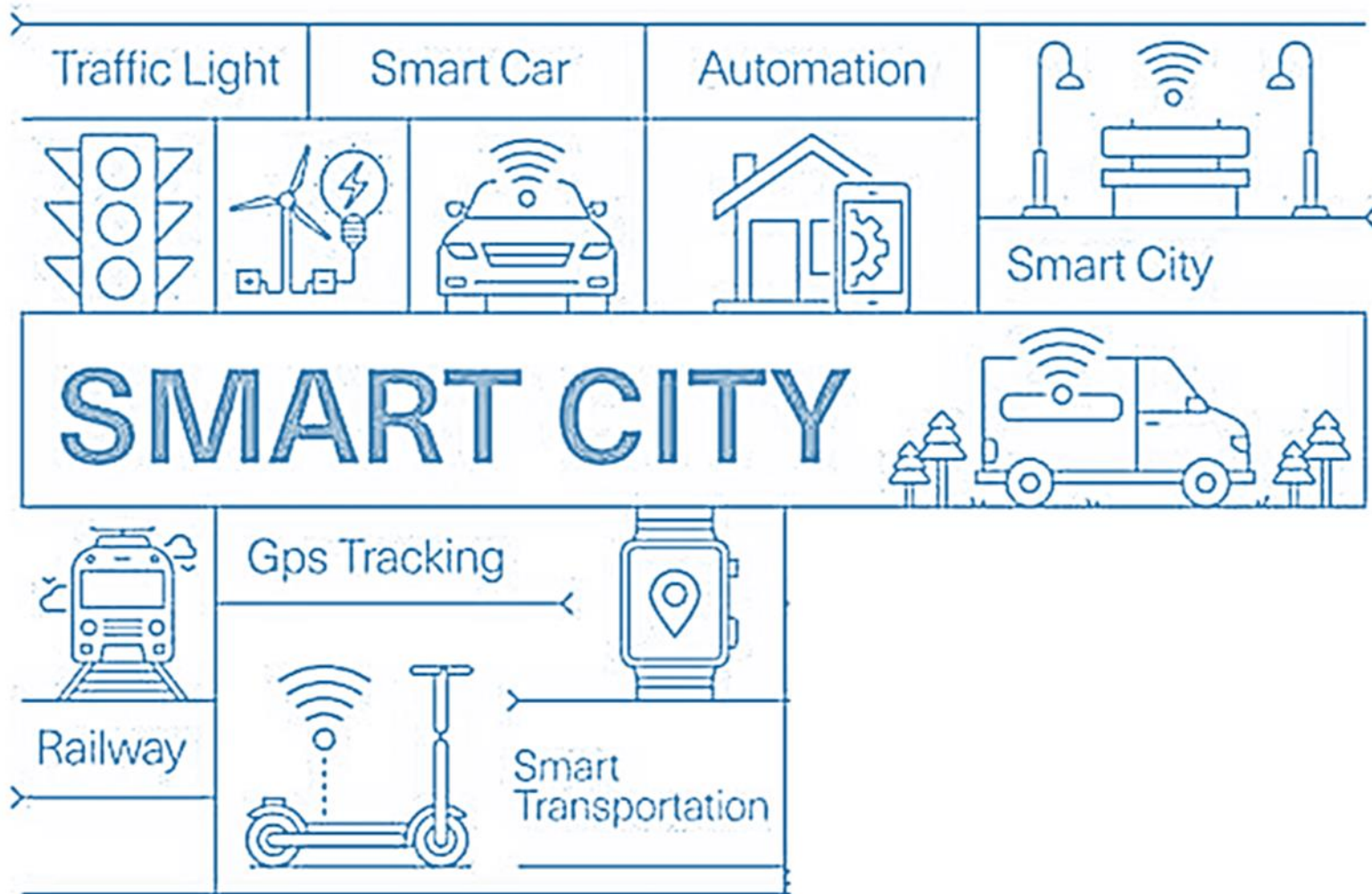




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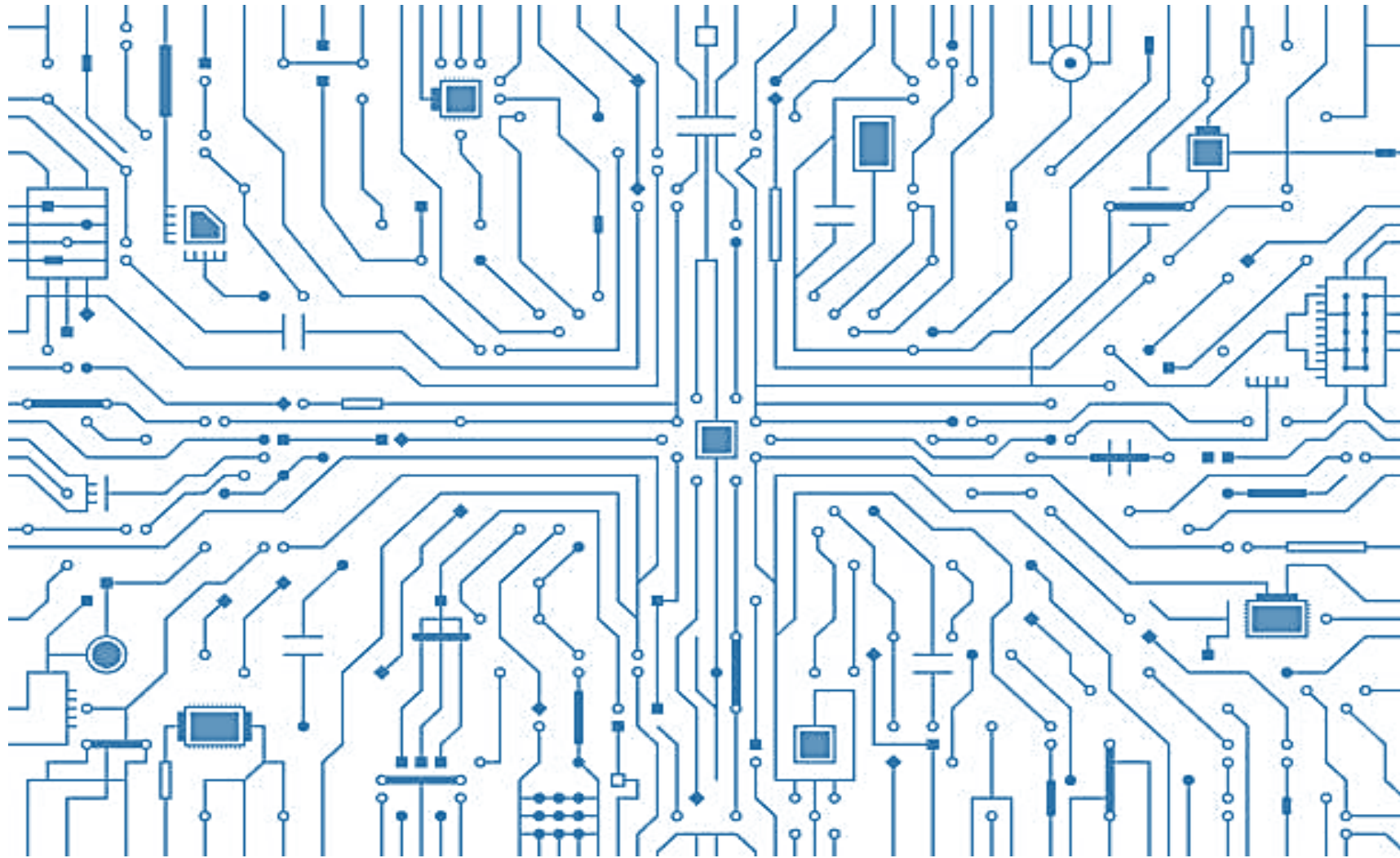


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