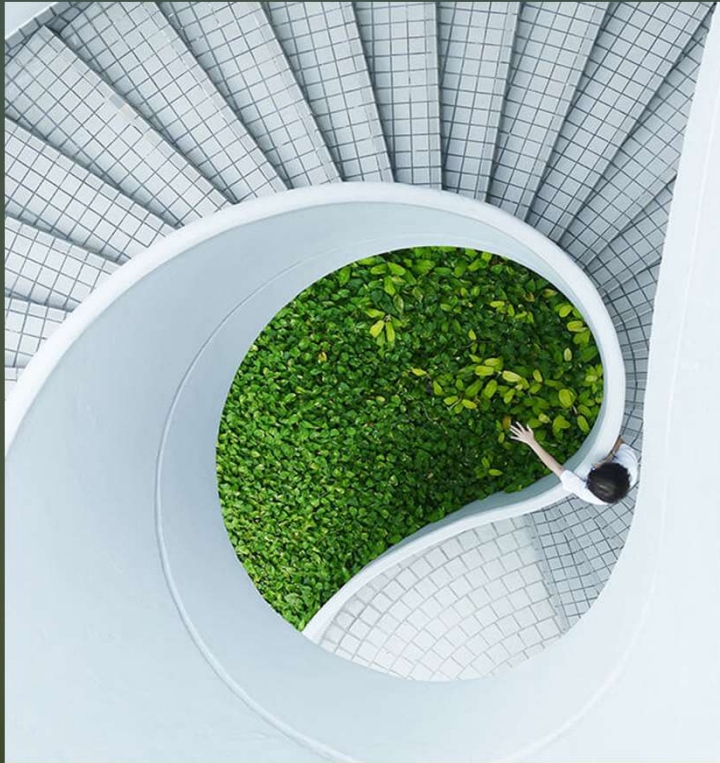


**Dimitris A. Kaprinis**  
architect

# Architectural Plans for a Green Facility



**Green building** or **sustainable building** is a building that, in its design, construction or operation is environmental responsible and resource-efficient, reduces or eliminates negative impacts, and can create positive impacts, on our climate and natural environment. The "green" architect or designer attempts to safeguard air, water, and earth by choosing *eco-friendly* building materials and construction practices.



## 3 P's of Sustainable Design

PLANET:	Reduce Environmental Impact Optimal Performance Re-use, Recycle
PEOPLE:	Increased Occupant Satisfaction Improved Productivity
PROFIT:	Lower Operational Costs Increased Occupancy Rates Increased Net Operating Income & Asset Value

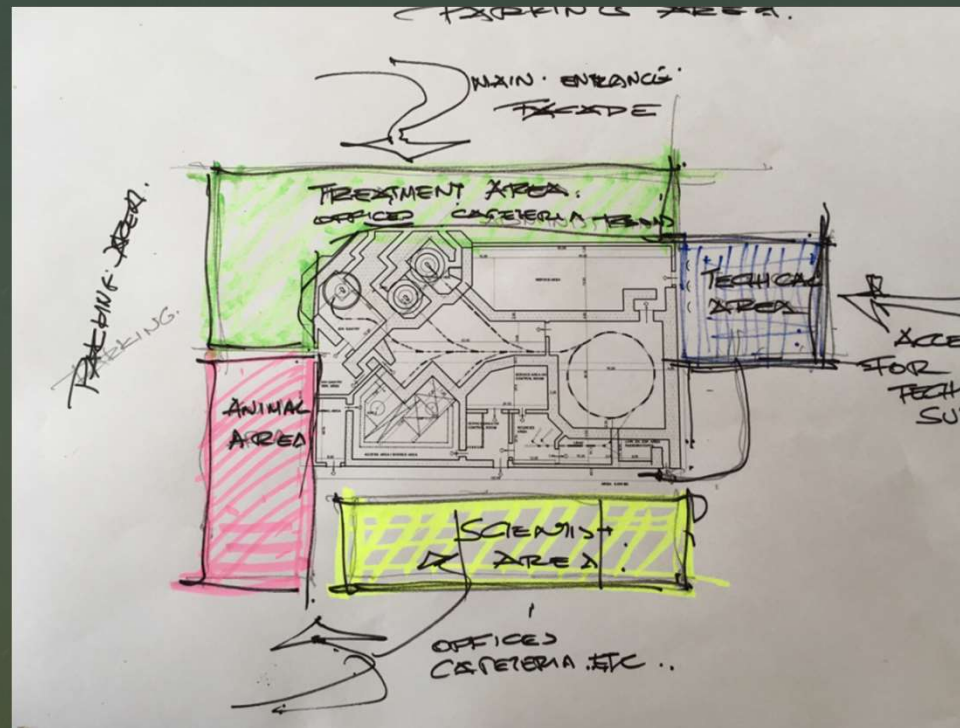
“Having in mind all of the above, I have tried to design a facility which is still in the preliminary design working progress. The selection of the location is not yet known, There are a number of features which as an architect will have to take in consideration, for an ecological design that enables adaptation to a changing environment”

# Consideration for Ecological Design

- ❖ Site Topography
- ❖ Environment and Climate
- ❖ Use of Renewable Energy.
- ❖ Water Efficiency.
- ❖ Landscaping
- ❖ Pollution and Waste Reduction
- ❖ Facility & Material Life Cycle



# Preliminary Design Concept

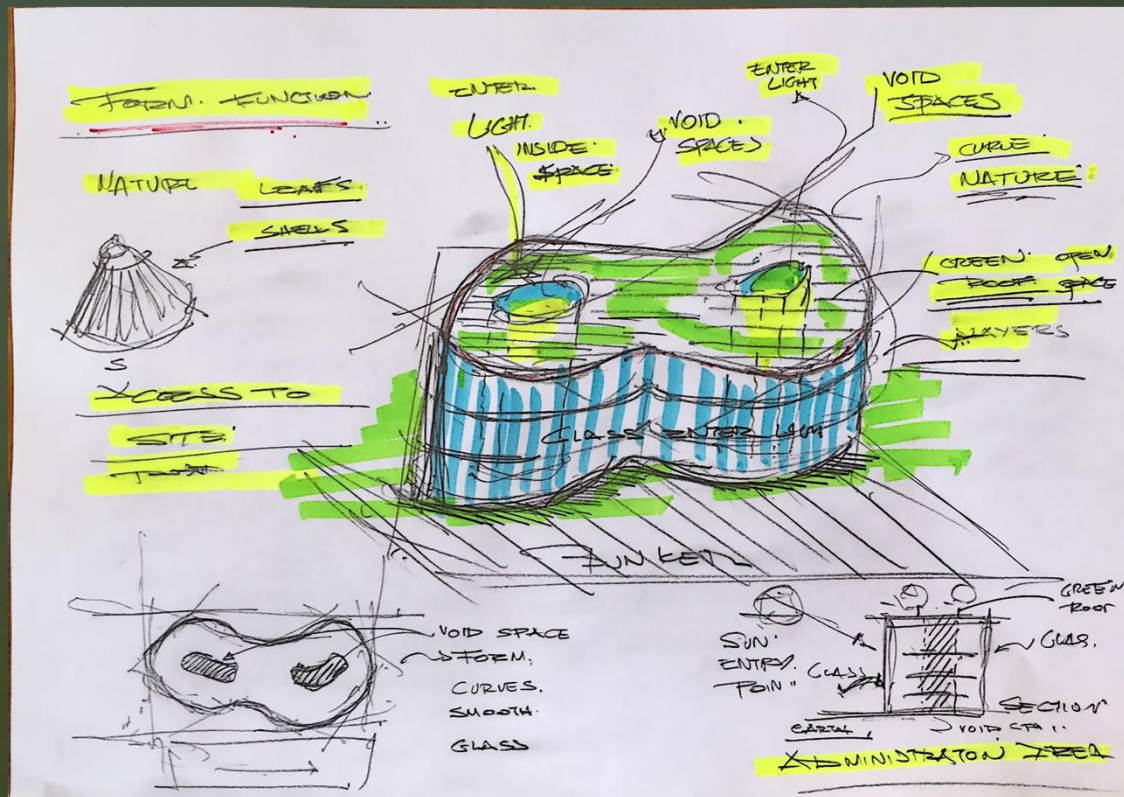


The concept of the layout of the building arose when one of the criteria's was to create two separate areas one for administration and social life (Social Building), and one for the science personnel (Scientific Building).

Between the two buildings is located the underground bunker that houses the main equipment's for the cancer treatment.

# Administration Social Area Form

The curved line recalls the forms of curves in nature, of the sun and the moon, the silhouette of seashells, butterfly wings, earth formations. Connecting patients to nature has reduces the stress of the patients, their families, and the staff and creates a safe and warm atmosphere within the center.

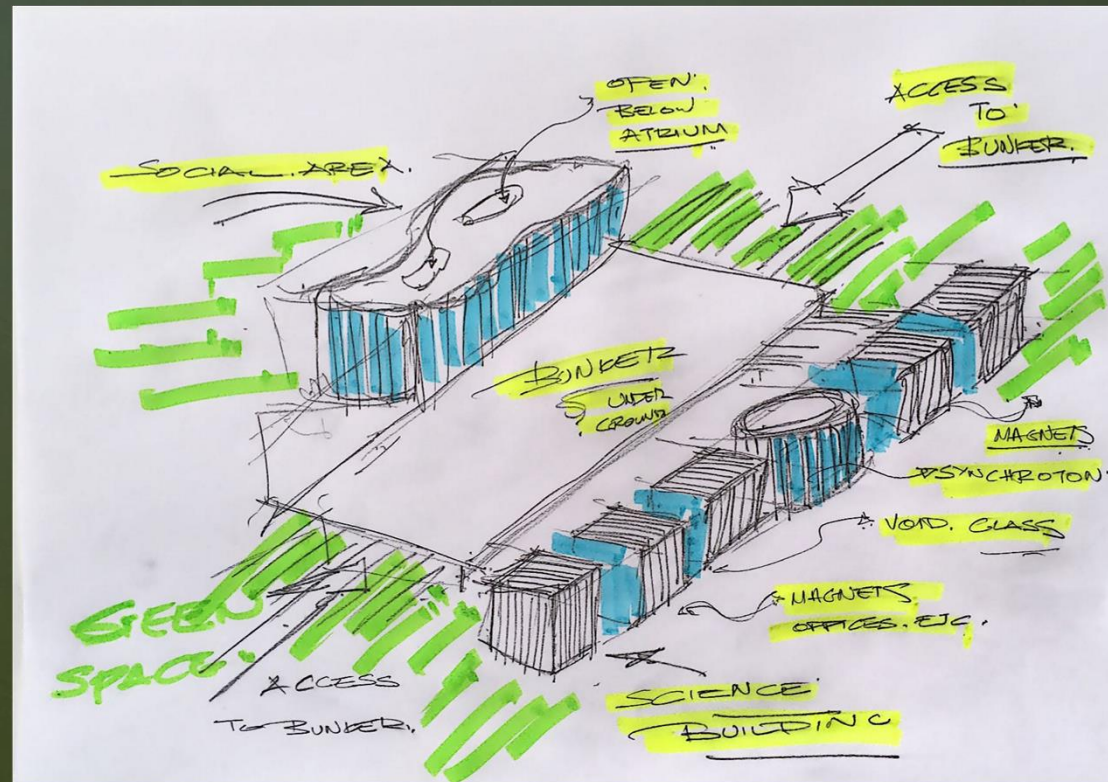
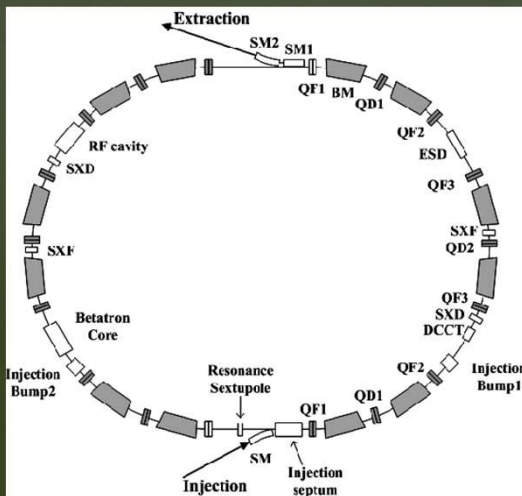




# Scientific Building Form

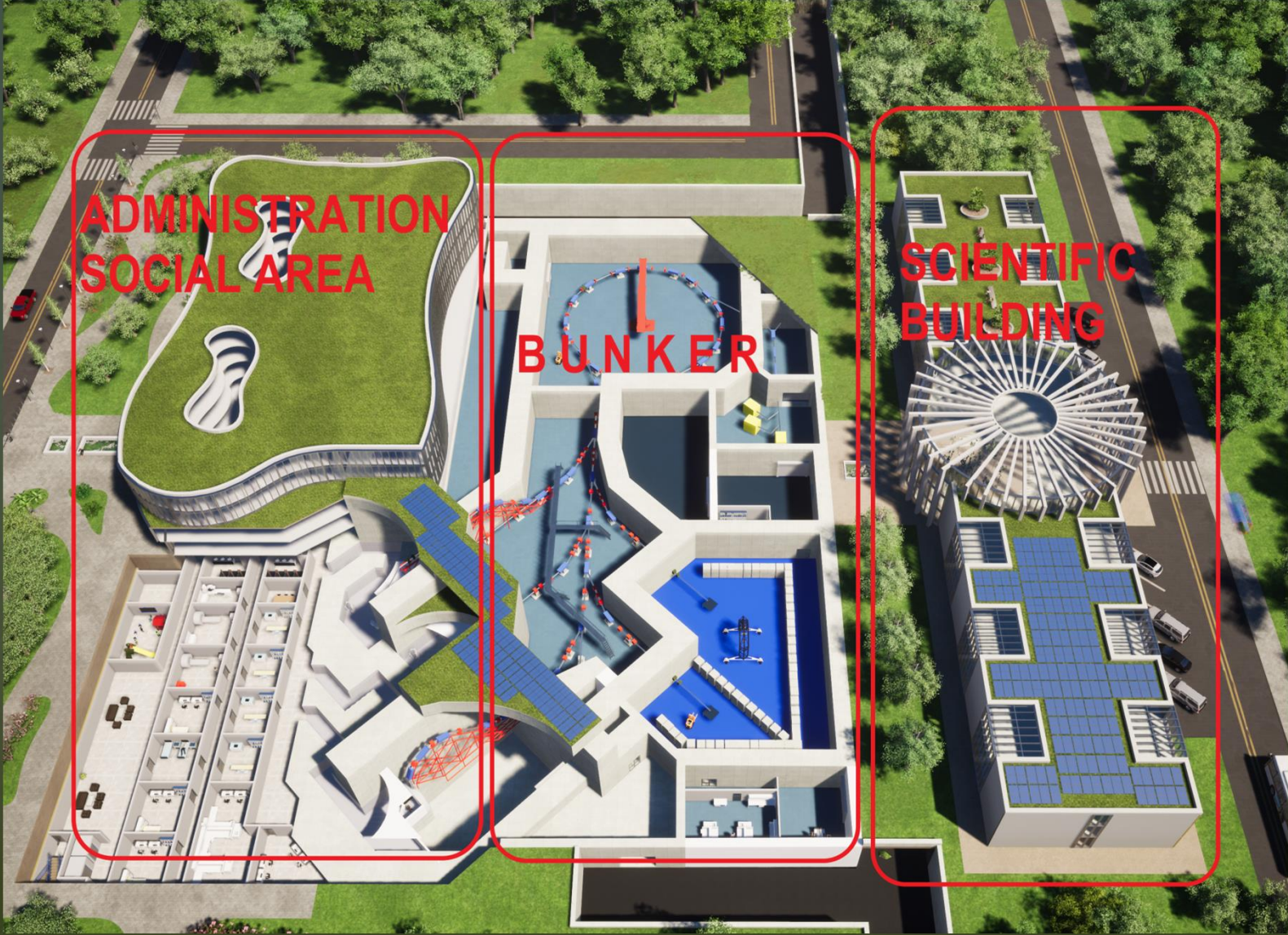
The idea of the scientific building form was the alignments and configurations of the magnets the used to create the acceleration.

The use of glass opens the office up to views of the nature and the space is filled with natural light





# Layout of the Facility





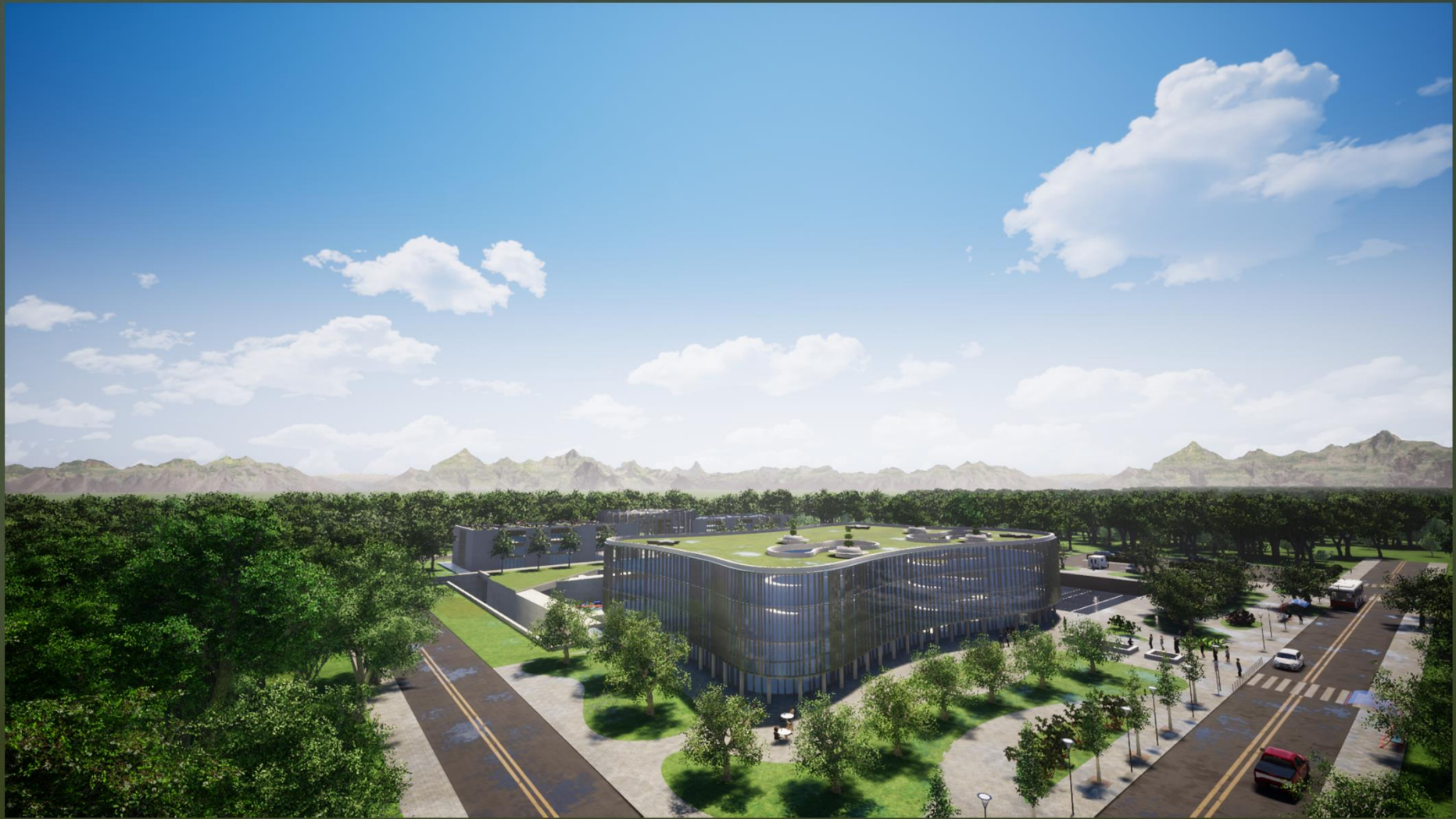
# Scientific Building Form



Front View of the Administration Social Area



# 3d Architectural Visualization of the Facility



Side View of the Administration Social Area

# 3d Architectural Visualization of the Facility



Side View of the Administration Social Area



# 3d Architectural Visualization of the Facility



Close View of the Administration Social Area



# 3d Architectural Visualization of the Facility



Side View of the Scientific Building



# 3d Architectural Visualization of the Facility



Side View of the Scientific Building



# 3d Architectural Visualization of the Facility



Close up View of the Scientific Building



Roman architect Vitruvius suggested the three rules of architecture to be well-built, useful by serving a purpose, and beautiful to look at.



**Thank you for your attention**