



The Drahi NEQST Innovation Building



THE DRAHI NEQST (NANOSCALE QUANTUM SCIENCE & TECHNOLOGY) INNOVATION BUILDING WILL BRING TOGETHER EXPERTS IN NANO AND QUANTUM SCIENCE AND PROVIDE A STATE-OF-THE-ART SHARED HOME FOR THEIR RESEARCH AND EQUIPMENT.

The Hebrew University Nanoscience and Quantum Science centers, each world class centers in their own right, are joining together to bridge the gap between what is, and what is needed, in order to create what could be — for the next technological revolution.

Imagine... a futuristic robotic arm that would fully imitate the incredible functionality of the human arm, able to grip complex objects and perform intricate human gestures. ...Sustainable energy systems affordable enough to be deployed even in the most disadvantaged regions of the world. ...An atomic clock that could help spacecraft to navigate autonomously in orbit.

Although we have much of the knowledge and software needed to do anything we can conceive of, current hardware—man-made materials and devices - are far from providing the functionalities we envision. What is needed is nanoware: the merging of novel concepts in nanomaterials, quantum engineering, nanophotonics and nano-bio disciplines in order to create the next generation of elements and capabilities.

We are responding to this challenge with NEQST.

Co-locating the Hebrew University's Nanoscience and Quantum information researchers in a shared space will make possible, new and unprecedented levels of innovation, by encouraging and enabling scientists from both fields to join forces and leverage each other's knowledge and expertise. Building has begun and is expected to be completed in 2026.

State-of-the-Art: Inside and Out

The Drahi NEQST Innovation Building will bring together experts in Nanoscience and Quantum Science and provide a meeting place and state-of-the-art joint home for their shared equipment.

Researchers will continue to benefit from the support of a dedicated team providing first-rate scientific capabilities that enable pioneering research in communications, electronics, sensing, advanced computation, homeland security, alternative energy, 3D printing and more. All of this in exquisite and collaborative surroundings.

NEQST Innovation Labs

These are one of the most exciting features of the Drahi NEQST Innovation Building.

The interdisciplinary nature of both the Nanoscience and Quantum Sciences means that members share many common interests. Working in such close proximity will provide even more opportunities for productive cooperation.

The NEQST Innovation Labs are a means to turning dreams and discussion into reality. Two Innovation Labs will be

equipped with generic infrastructure and will be available to unique and ad-hoc teams at relatively short notice, following a selection process by an academic committee.

Innovation Labs will be allocated to selected teams for a limited period (1-2 years) to get their new concept 'off the ground', and then the Labs will be cleared and returned to the pool of Innovation Labs managed by NEQST and available for the next promising collaboration

– the NEQST great idea.

Inside the Drahi NEQST Innovation Building

- ✓ 8,500m² on five floors.
- ✓ Light and spacious interior.
- ✓ Quantum core equipment facility labs.
- ✓ Nanoscience core Characterization and Fabrication equipment facilities.
- ✓ 3D Printing Unit.
- ✓ Two Innovation Labs.
- ✓ Teaching spaces and collaboration areas.
- ✓ Views of the Knesset, the new National Library and the Israel Museum.



Building Features

- ✓ Strong, tremor-resistant building, important for accurate experiments.
- ✓ Green building standards.
- ✓ Centrally located on the Edmond J. Safra Campus between Physics, Computer Science and Teaching Labs.
- ✓ Accessible with an entrance on either side of the building.
- ✓ Shared equipment and technical support leverages resources.

NEQST Philanthropic Opportunities

FLOORS

1st FLOOR	1,220m ² , lower entrance lobby and Unit for Nanoscience Characterization (UNC).	\$1.5 M
2nd FLOOR	1,450m ² , Physics Faculty labs (not necessarily Nanoscience or Quantum).	\$1.5 M
3rd FLOOR	Boulevard entrance lobby; Nanoscience Art Gallery; admin offices; 3D Printing Unit; one Innovation Lab; auditorium; seminar room.	\$1.5 M
4th FLOOR	Six Quantum core equipment facility labs; one Innovation Lab.	\$1.5 M
5th FLOOR	The Unit for Nanoscience Fabrication (700m ² of clean rooms + storage & offices).	\$5 M

PUBLIC SPACES

1st FLOOR LOBBY	360m ² .	\$1 M
3rd FLOOR LOBBY	Includes the Nanoscience Art Gallery	\$1 M
SOCIAL HUB	Open space for student and staff gatherings.	\$1 M
AUDITORIUM	On 3 rd floor. Seats ±170 people.	\$1.5 M
LARGE SEMINAR ROOM	On 3 rd floor. Seats roughly ±50 people.	\$150,000
SMALL SEMINAR ROOM	On 4 th floor. Seats roughly ±30 people.	\$100,000

RESEARCH SPACES

NEQST INNOVATION LABS	Two such labs. Each consists of 100-120sqm with an office and a student area.	\$1.4 M
QUANTUM CORE FACILITY LABS	Six core equipment labs each with a different Quantum focus. Prices range due to value of equipment in the lab.	\$2-4 M
UNIT FOR NANOSCIENCE CHARACTERIZATION	600m ² of advanced Characterization labs on 1 st floor. This price is for naming of the Unit and not the physical space. Physical rooms within can be named as well.	\$5 M
UNIT FOR NANOSCIENCE FABRICATION	Entire 5 th floor including 700 m ² of clean room (expensive construction costs), storage rooms, and admin spaces. This price is for naming of the Unit and not the physical space.	\$5 M

ADDITIONAL NAMING OPPORTUNITIES

MEETING ROOMS	2-3 such meeting rooms of varying sizes.	\$50,000
OFFICES	±18 administrative and technical staff offices of 11-13m ² .	\$35,000