



THE H-BUILDING THE NATIONAL HOSPITAL OF THE FAROE ISLANDS

A SHORT PRESENTATION

INTRODUCTION

In 2021, the newest building of the National Hospital of the Faroe Islands, called the H-Building, will be ready for use.

Each floor of the H-Building is shorter than the subjacent level, making the building resemble a ship when seen from the sea. Thus, the building will blend well into the landscape. With its location set low in the terrain, the new building will not compromise the view from the adjacent hospital buildings.

The H-Building will make it possible to concentrate a wide range of the National Hospital's activities.

The primary purpose of this project is to provide patients, staff and relatives with appropriate facilities that meet today's requirements. The wards of the Psychiatric Centre, as well as those in the Medical Centre will all be transferred to the H-Building. This is also the case for the Maternity Ward. The main change will not be a significant increase in the amount of

beds, but the fact that all beds will be in private rooms.

The Building Committee of the National Hospital of the Faroe Islands, with the hospital CEO as chairman, emphasised minimising the risk of infection spreading, by making all hospital rooms private rooms, and by establishing separate corridors for the public and the clinical staff. The H-Building will be the first hospital in the world to feature vertical storage for used and clean beds. This will reduce the risk of infection and facilitate logistics; all beds being stored in the same location.

Private rooms are a key prerequisite to improving patient treatment, care and confidentiality. Research confirms that private rooms yield numerous benefits e.g. speeding up the patients' recovery. Also, the risk of infection is significantly lower with private rooms, and fewer patients fall and injure themselves during their hospital stay. Furthermore, fewer unintended incidents occur, e.g. wrong medication of

patients. Fellow patients won't disturb each other's sleep, and relatives can more easily be with the patient. Thus, the main objective is to enhance patient security. Patient security is of top priority.

Operational efficiency will also increase due to the concentration of activities in one area, shortening transport routes of food, garbage, linen, patient clothes, staff uniforms and goods. Equally, the distance between psychiatric, medical and surgical centres and rehabilitation will be significantly reduced.

Landsverk, representing the Faroese government as the building owner, had energy-efficiency as one of their main objectives, recycling waste energy, and

when that is not enough, using heat from the nearby sea through heat pumps. State of the art IT-technology has been used during the project planning process, construction and in daily operations.

Hopefully, everyone shares our excitement, as we look forward to the completion of the H-Building for the benefit of the Faroese people.

The Executive Board of the National Hospital of the Faroe Islands

Landsverk





-2nd Floor (Second Basement)

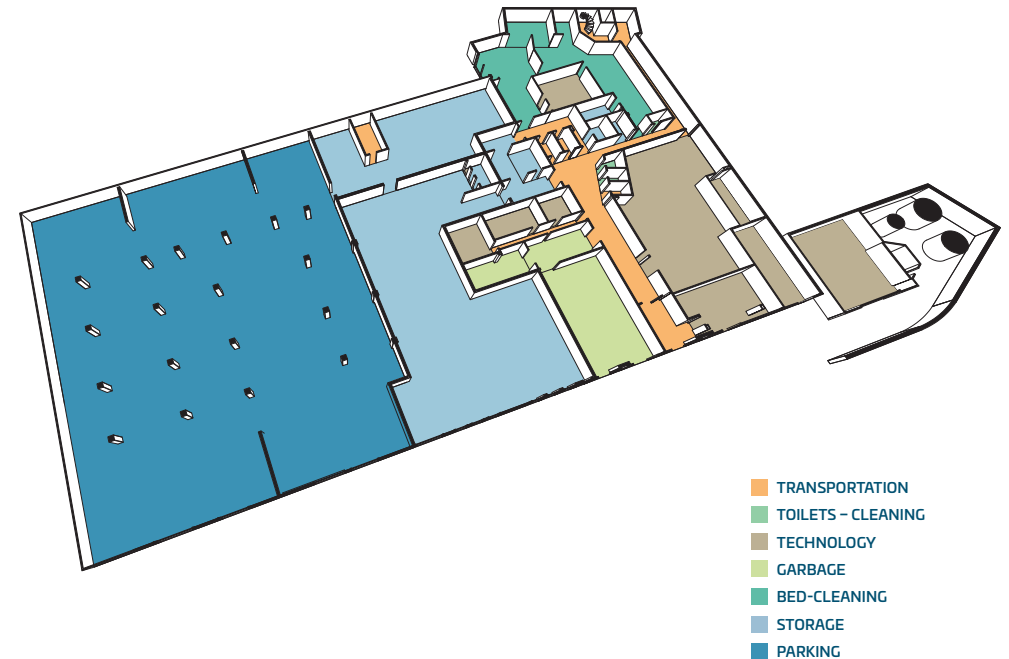
Storage, parking basement and technology

Working conditions will improve immensely, once the hospital storage is transferred into a facility built for the purpose. The new bed-cleaning machine will ensure a uniform and high-quality bed-cleaning process. What today takes eight hours to wash, will in the future be carried out in only 2.5 hours.

The basement is also the location of logistic shafts for e.g. bed lifting and storage system.

All these features will facilitate the hospital logistics enormously, concentrating this paramount part of hospital operation. The parking basement will accommodate 48 cars; furthermore, there will be outdoor parking in the immediate vicinity of the H-Building.

The funding has not yet been allocated for the final completion of the storage and parking basement, although the area is at their disposal.



-1st Floor (First Basement)

Psychiatric Centre and kitchen with restaurant

The new Psychiatric Ward is located in a bright and peaceful environment in the new building. Its construction makes it possible to subdivide the ward into five individual units. The ward comprises 25 private patient rooms with toilet and shower as well as several adjacent activity

rooms; furthermore, there is access to a protected and calm inner courtyard.

Also, the main kitchen is located on this floor, including a restaurant for staff, patients, relatives and visitors. The H-Building's large atrium provides the restaurant with natural light and fresh air.



- TRANSPORTATION
- AUXILIARY ROOMS
- PUBLIC AREA - CAFETERIA
- STAFF - OFFICE AND EATING AREA
- TOILET - CLEANING
- PRODUCTION KITCHEN

- STORAGE
- TECHNICAL ROOM
- PSYCHIATRIC CENTRE - COMMON ROOM
- PSYCHIATRIC CENTRE - OPEN AREA
- PSYCHIATRIC CENTRE - ACTIVITY ROOM
- PSYCHIATRIC CENTRE - WATCH ROOM
- PSYCHIATRIC CENTRE - PATIENT ROOMS
- PSYCHIATRIC CENTRE - EXAMINATION ROOM
- PSYCHIATRIC CENTRE - CENTRE KITCHEN AND DINING AREA

Floor Zero

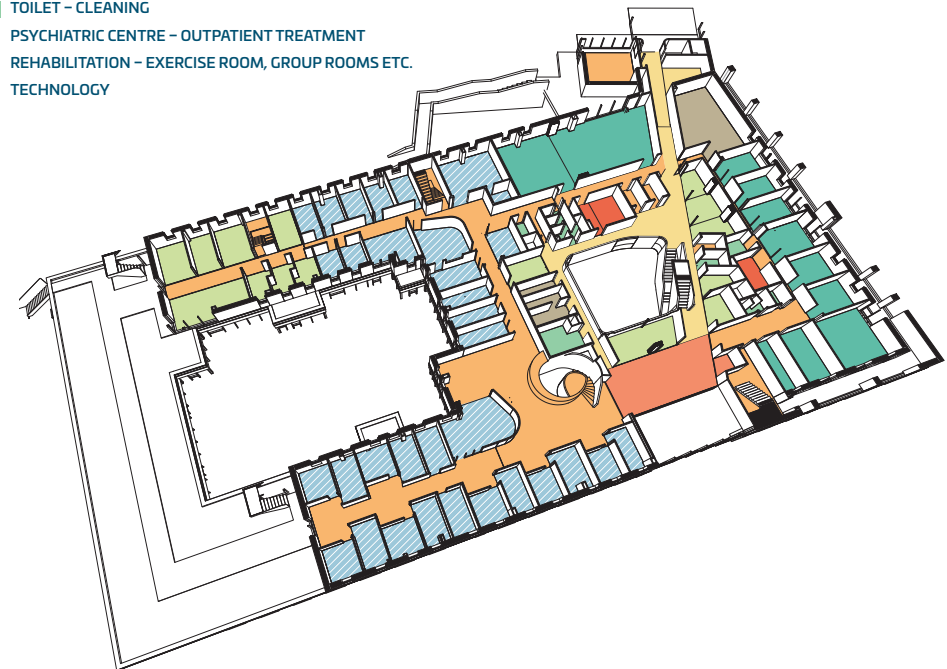
Outpatient care and rehabilitation

Psychiatric outpatient care, day care and patient rehabilitation will be located on floor zero. Some rooms are intended for group therapy, others for music therapy and for observation of infant and child play. There is also an ample training hall that can be used for various activities as well as rehabilitation facilities. In the center

of the building, close to the atrium, is the reception, where people can get guidance.

The main objective of having psychiatric and somatic treatment in the same location is to eliminate discrimination and stigmatisation of the mentally ill, as well as ensuring equal conditions for all kind of patients.

- PUBLIC TRANSPORTATION
- CLINICAL TRANSPORTATION
- RECEPTION
- AUXILIARY ROOM
- STAFF ROOM, OFFICE AND MEETING ROOM
- TOILET - CLEANING
- PSYCHIATRIC CENTRE - OUTPATIENT TREATMENT
- REHABILITATION - EXERCISE ROOM, GROUP ROOMS ETC.
- TECHNOLOGY



1st Floor

Patient and isolation rooms

The first floor of the H-Building is at the same level as the reception in the B-Building. Right to the left of the B-Building's reception is direct access to the H-Building. Thus, visitors keep using the same entrance to the hospital as usual. The first floor comprises 31 private patient rooms, each with toilet and shower. In addition, there are two maximum isolation rooms with the necessary auxiliary rooms and staff rooms. The maximum

isolation rooms have negative air pressure, thus preventing airborne diseases from escaping the room and infecting other people. The isolation rooms can be accessed directly from outside, to avoid passage through the hospital with infected patients. The isolation rooms are intended for patients who are suspected of suffering from dangerous infectious diseases and epidemics such as SARS, avian influenza (bird flu), EBOLA etc. Of course, the isolation rooms may be used as ordinary patient rooms.

- PUBLIC TRANSPORTATION
- CLINICAL TRANSPORTATION
- AUXILIARY ROOM
- WARD KITCHEN AND EATING AREA
- UNIT SITES
- STAFF, OFFICE AND MEETING ROOMS
- PATIENT ROOMS
- TOILET- CLEANING
- COMMON ROOM AND TERRACE
- MAXIMUM ISOLATION ROOMS
- TECHNOLOGY



2nd Floor

Patient rooms and Maternity Ward

The second floor differs from the first in comprising three additional maternity wards. They are located in the closest possible proximity of the surgical ward, in case an emergency Cæsarian should be necessary. All patient rooms are characterized by their high flexibility.

All rooms may at any time be adapted to whatever special needs might emerge; they are not designed for one special purpose and thus unsuitable for diverging purposes. This feature guarantees the desired flexibility.

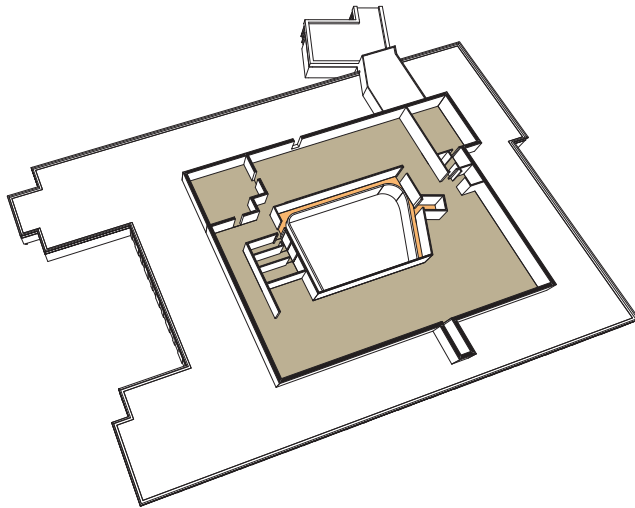
- PUBLIC TRANSPORTATION
- CLINICAL TRANSPORTATION
- AUXILIARY ROOM
- WARD KITCHEN AND EATING AREA
- UNIT SITES
- STAFF, OFFICE AND MEETING ROOMS
- PATIENT ROOMS
- TOILET - CLEANING
- COMMON ROOM AND TERRACE
- MATERNITY WARD - ROOMS AND EXAMINATION ROOMS
- TECHNOLOGY



3rd Floor Technology

The third floor is designed for technical equipment, especially ventilation.

- TECHNOLOGY – VENTILATION, ELECTRICITY AND IT
- TRANSPORTATION



THE H-BUILDING - FACTS

Constructed area: 14.500 m²

Cost: The H-Building is part of the total appropriation for rebuilding and expanding the National Hospital of the Faroe Islands from 2009 to 2021. The total appropriation amounts to DKK 652.6 million.

Project owner:	HIMR (Ministry of Health and Interior)
Operations owner:	The National Hospital of the Faroe Islands
Builder:	Landsverk
Consultant:	Færport II (Full-service consultant) Råd (partial) RosanBosch BKD Consultants Logisystems
Contractors:	Grettir MT Højgaard Føroyar Húsavarðartænastan Demich EL.FO

FACTS

Area:	14,500 m ²
Floors:	5 + technology floor on the 6th floor
Copper:	3,000 m ²
Steel:	1,000 tonnes
Electricity:	200,000 m cables 3,250 light fixtures
Plumbing:	110,000 m ³ /h air 38,500 m of pipes 3,500 m of ducts
Heat source:	Reusing waste heat from the B-Building as well as sea heat

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