

## Buildings

Istanbul Umraniye Maternity&Pediatrics Hospital Design and Consultancy



**Client** Istanbul Special Provincial Administration Project Coordination Unit

**Work Period** 10.02.2009 - 06.09.2015

**Services provided** Design preparation (structural, architectural, mechanical, electrical, electronics & telecommunication, medical design, infrastructural & landscape designs), Preparation of tender documents, Tender evaluation/construction contract signing stage, Services required for preparation to medical equipment installation, Construction supervision services, Services required for procurement of medical equipment

**Technical Details** The project covers the period including the design & construction of 347 beds capacity "Umraniye Maternity & Pediatrics Hospital". The hospital has been designed in order to be constructed on the green area within the existing 250 beds capacity Public Hospital. The total construction area for the hospital is approx. 98115 m<sup>2</sup>. The hospital is formed of 2 main sections. The first section which is in "rectangle" form includes the followings; 2nd basement: shelter, parking garage, 1st basement: laboratories, morgue, sterilization unit, technical areas, Ground floor: hospital main entrance and relevant administrative units, emergency entrances and relevant units, radiology center, 1st floor: pediatric inpatient units, 2nd floor: pediatric inpatient units, 3rd floor: surgery rooms, intensive care units, bone marrow transplantation-haematology-oncology units, 4th floor: technical areas related with surgery rooms, conference hall, seminar halls and some administrative units. The second section which is in "elliptic" form includes the followings; 2nd basement: shelter, parking garage, 1st basement: kitchen, laundry, staff locker rooms, technical areas, Ground floor: pediatric and gynaecological outpatient clinics, 1st floor: obstetrics inpatient units, 2nd floor: obstetrics & gynaecological inpatient units, 3rd floor: delivery rooms, maternity ward, technical areas, 4th floor: cafeteria, coffee bar. Besides, 307 cars capacity 3 floors multi-storey car park has been designed beneath the pedestrian main axis. The interior and exterior of the hospital has been designed by using nonconventional and maintenance friendly construction materials. The interior functions of the hospital have been solved based on the "Health Facilities Guide 2010" prepared by the Ministry of Health. Meanwhile the seismic, sheltering and fire safety regulations has been met during design. Within this project some parallel studies (design & consultancy services) has been held as follows; "Istanbul Kucukyali Nursery" (17373 m<sup>2</sup> indoor area with 3 floors), "Istanbul Pendik Mehmet Oguz Outpatients Clinic" (14839.70 m<sup>2</sup> indoor area with 4 floors), "Istanbul Koca Mustafa Pasa Social Rehabilitation Center for Young Ladies" (1185 m<sup>2</sup> indoor area with 4 floors). The project is financed by IBRD under World Bank. The consultancy services are held by Optim (40%) + Prokon (40%) + Obermeyer (10%) + Faust (10%) JV.

