

PROJECT **Medical case study**



East and North Hertfordshire NHS Trust



client

Queen Elizabeth II Hospital, Welwyn Garden City

















facility required

Breast diagnostic imaging facility comprising of a GE MRI scanner and two GE X-Ray Mammography units.

our role

Provision of a complete turnkey package through effective interface and integration of mechanical & electrical engineering installations with stringent radiation protection measures.

engineering solution

-  lead screening
-  RF enclosure
-  helium quench vent pipe
-  chilled water cooling
-  public health – cold water service and drainage
-  installation of hot water generating system
-  provision of medical gasses
-  oxygen monitoring system
-  heating
-  ventilation and infection control
-  variable refrigerant flow air conditioning
-  building energy management system
-  analogue addressable fire alarm system installation
-  addressable nurse call system
-  3-phase electrical supply and distribution
-  variable level and emergency lighting



outcome

Comfortable reassuring environment created, maintaining our record of engineering excellence and success.