

CASE STUDY

AL-FALAH HOSPITAL, OMAN RADIATION SHIELDING FOR A MAJOR NEW HEALTHCARE DEVELOPMENT



AL-FALAH HOSPITAL IS A SIGNIFICANT NEW HEALTHCARE DEVELOPMENT IN JALAN BANI BU ALI, SOUTH AL SHARQIYAH, OMAN, BUILT TO EXPAND ACCESS TO SPECIALIST MEDICAL SERVICES FOR THE SURROUNDING POPULATION.

CENTRAL TO THE PROJECT ARE MODERN DIAGNOSTIC AND CLINICAL FACILITIES, INCLUDING ADVANCED X-RAY AND MEDICAL IMAGING DEPARTMENTS — AREAS THAT DEMAND RIGOROUS RADIATION PROTECTION TO SAFEGUARD PATIENTS, STAFF AND VISITORS.

THE CHALLENGE

X-ray and imaging rooms generate ionising radiation that must be contained within the controlled clinical space. To prevent transmission into adjacent areas, the hospital required a high-integrity lead shielding system — one that would deliver reliable protection while remaining practical to install within specialist imaging environments.

THE SOLUTION

Working alongside local consultant Riaz Kader of Interface International, Midland Lead Supplied 576m² of 2mm Thick lead sheet to customer Al Khalili Construction LLC for use in the hospital's Radiology Department, forming a continuous, high-density shielding barrier within the walls and designated shielding structures of the diagnostic areas.

The 2mm lead layer works as part of a wider radiation protection strategy, complementing the room design, structural construction and specialist imaging equipment to control radiation exposure beyond the controlled spaces.

CASE STUDY



PROJECT IMPACT

The completed shielding installation enables the hospital's X-ray and imaging facilities to operate safely, protecting everyone in surrounding areas from unnecessary radiation exposure.

For Midland Lead, the project reinforces its capability to supply high-quality lead radiation shielding materials for major healthcare developments internationally — supporting customers like Al Khalili Construction in delivering modern diagnostic infrastructure from specification to installation.

PROJECT AT A GLANCE

Project	Al-Falah Hospital
Location	Jalan Bani Bu Ali, South Al Sharqiyah, Oman
Sector	Healthcare
Customer	Al Khalili Construction LLC
Application	Radiation shielding
Areas	X-ray CT and imaging rooms
Material supplied	2mm Lead sheet
Quantity supplied	576 Sq metres / 13 tonnes
Supplier	Midland Lead

CONCLUSION

The Al-Falah Hospital project demonstrates the critical role effective radiation shielding plays in modern healthcare delivery. By supplying UK produced lead shielding to Al Khalili Construction, Midland Lead contributed directly to the radiation protection infrastructure of the hospital's diagnostic facilities — helping create safer environments for patients, healthcare professionals and visitors.

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