

# Modular Products

*Mech-Tool Engineering Ltd provides a complete design, project management and supply service for solutions that protect people and equipment from explosion, fire and noise hazards*

**Full design,  
engineering and  
assembly facilities,  
complete with  
installation and  
commissioning of  
electrical and HVAC  
systems**

**MECH-TOOL  
ENGINEERING LIMITED**

Mech-Tool House, Whessoe Road  
Darlington, Co Durham  
England DL3 0QT

Phone: +44 (0)1325 355141  
Fax: +44 (0)1325 487053  
Email: [sales@mechtool.co.uk](mailto:sales@mechtool.co.uk)  
[www.mechtool.co.uk](http://www.mechtool.co.uk)



**41 No Fire Rated Accommodation Modules**

Mech-Tool Engineering Ltd has been providing engineering solutions for more than three decades. We are pioneers in the design of fire, blast and acoustic protection, using the latest technology and modelling techniques with an ongoing commitment to research and development.

Mech-Tool's Modules are purpose designed to meet specified explosion, thermal, jetfire and acoustic performance criteria and can be constructed from carbon steel and/or stainless steel. Larger modules that exceed allowable transportation limits can be supplied in easily assembled kit form. Modules can be supplied either as a shell or fitted out to suit a client's requirements.



**Fire & Blast Rated Module at UK Refinery**

## Capabilities

- Design, engineer, assembly, fit-out, pre-delivery testing, transportation & installation
- Design loads – in addition to normal transportation & handling loads we can address seismic, explosion, fire, jet fire and acoustic requirements
- Mains power distribution and lighting, DC emergency power, security, fire detection, alarm systems and HVAC
- Modularised option for larger units offering ease of shipping and minimal sitework
- Larger units available in kit-form for site assembly
- Services include site installation, site supervision, surveys, risk assessment & safety audits
- All component fully tested and certified
- Quality Accreditation to ISO 9001:2008



Fire & Blast Rated Calciners Module 21m x 6.6m x 3.8m high – 70 tonnes

## Typical Uses Include

- Switchgear & Instrumentation Modules
- Laboratory Module & Control Cabins
- Local Equipment Rooms & Turret Equipment Rooms
- Firewater Pump & Generator Enclosures
- Turbine & Compressor Enclosures
- Safe Havens & Overnight Accommodation Shelters
- Telecommunication Cabins

## Technology

- In-house design and engineering facility
- State of the art 3D engineering capability
- Certified fire resistance to J60/H120 and blast up to 4 bar



Accommodation Modules - Typical Cabin Layout



Fire & Blast Rated Switchgear Module