



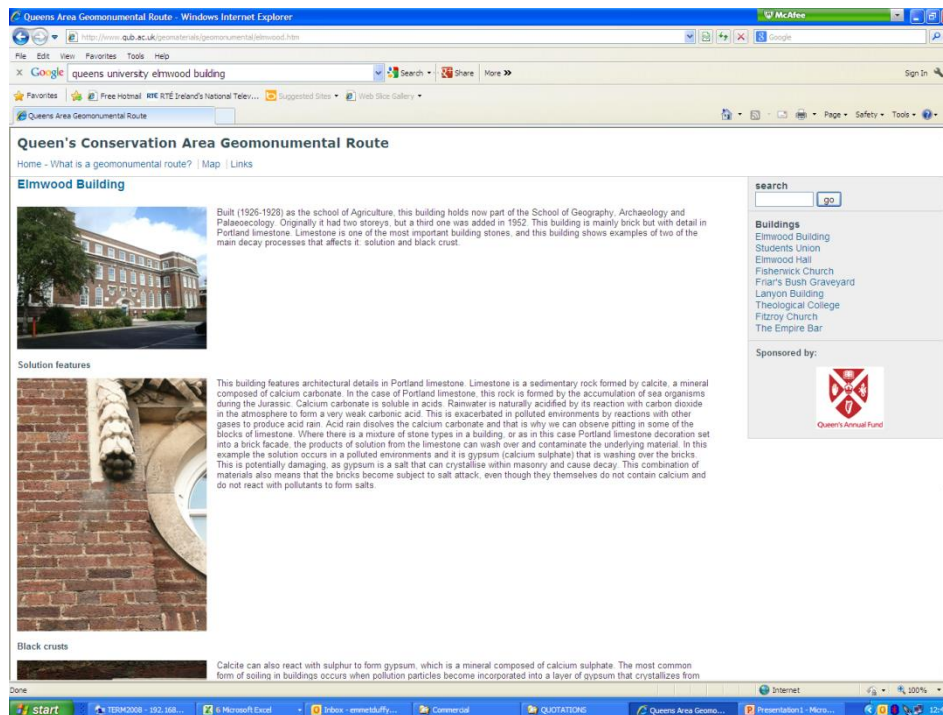
**C&F QUADRANT**

**UNICAL COMMERCIAL BOILER REFERENCE SITES**

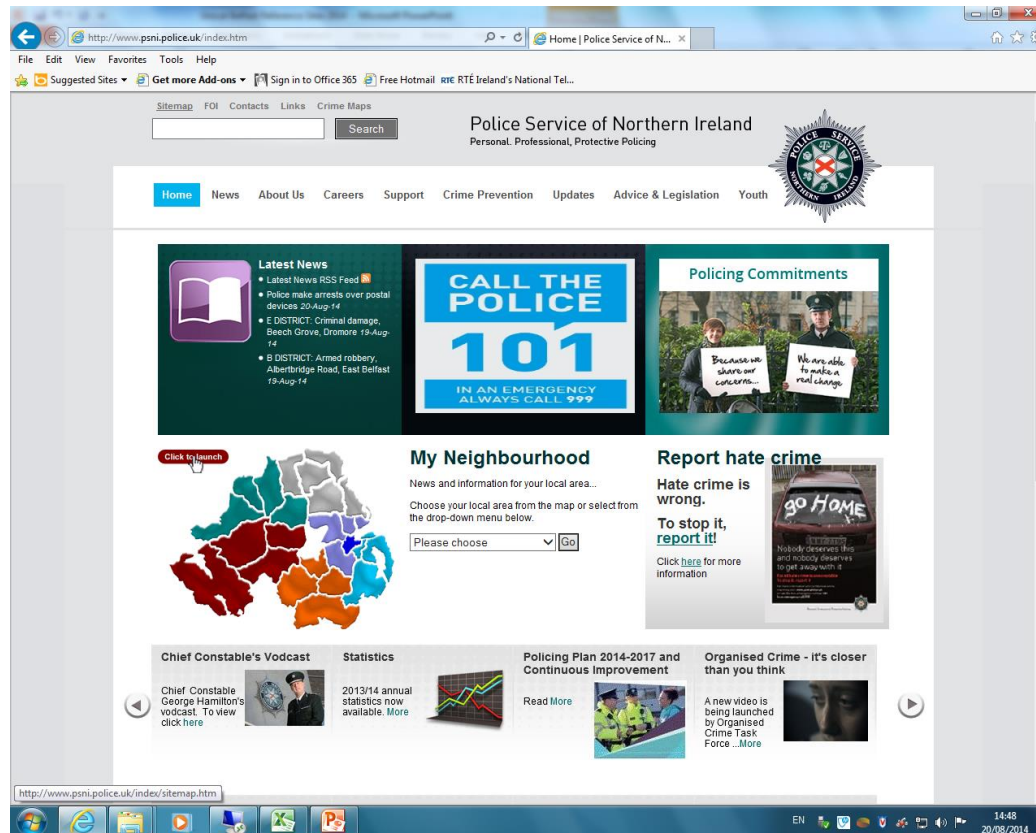
Site : St Marys Training College, Belfast.  
Product : 3 x Unical Modulex 900kw boilers.  
Contractor : Maurice Stevenson



Site : Queens University Belfast, Elmwood Building  
 Product : 3 x Unical SUHR 1750kw Boilers.  
 Contractor : Dowds Group



Site : Lisburn PSNI Station  
 Product : 2 x Unical Modulex 550kw Boiler  
 Contractor : LM Electric



Site : Nazareth House  
 Product : 2 x Unical Modulex 660kw Boilers  
 Contractor : Geoff Castles



The screenshot shows a web browser displaying the Nazareth House Care Village page on the carehome.co.uk website. The browser's address bar shows the URL: <http://www.carehome.co.uk/carehome.cfm/searchazref/20007005HAZA>. The page features a navigation menu with categories like Care Homes, Extra Care Housing, Day Care Centres, Mental Health Hospitals, Groups / Providers, Care Advice, Care Fees, News & Events, Products & Services, Training Courses, and Care Jobs. A banner for 'Saga' offers a free guide to paying for care. The main content area is titled 'Nazareth House Care Village' and provides details about its location at 516 Ravenhill Road, Belfast BT6 0BW. It includes social media sharing options (Facebook, Twitter, Google+, YouTube) and buttons for 'Visit Official Website', 'Send Email', 'View Phone Number', 'Request Brochure', and 'Recommend'. Below this, there are tabs for General Info, Photo Gallery (0), Bed Vacancies, Recommendations (0), Awards / Recognitions (0), News (0), Jobs (0), Staff Profiles (0), Care Home 100 2014 (0), and Map. The page also features three images: an exterior view of the building, an interior view of a hallway, and a view of a dining room. A text block describes the facility as a seventy-capacity accommodation able to welcome skilled and complex forms of care, thanks to modern resources and the expertise of dedicated professionals. It mentions the provider's commitment to residential care and independent living, helping individuals to get the most out of life through a care philosophy centred around respect and dignity. The text also notes that the wonderfully scenic grounds add to the homeliness of Nazareth House, which is also available for respite and palliative care and suited to adults with a physical disability. The group is identified as Nazareth Care Charitable Trust, and the person in charge is Jenny Hall (Registered Person in Charge). A small 'Invest in Care Home' button is visible in the bottom right corner of the page.



Site : Brooklands Primary School  
Product : 1 x Unical Modulex 440kw Boiler  
Contractor : Maurice Stevenson



## UNICAL MODULEX BOILER



Modulex	Modulation	Dimensions (l x p x h)
100	1:8	764 x 770 x 1150
150	1:12	764 x 770 x 1150
200	1:16	1032 x 770 x 1150
250	1:20	1032 x 770 x 1150
300	1:24	1300 x 770 x 1150
350	1:28	1300 x 770 x 1150
440	1:19.6	1087 x 946 x 1448
550	1:25	1355 x 946 x 1448
660	1:29	1355 x 946 x 1448
770	1:34	1623 x 946 x 1448
900	1:39	1623 x 946 x 1448



## MODULEX EXT

Modulating, Low NO<sub>x</sub>, multi-burners, condensing boiler, for indoor/outdoor installation, IP X5D, containing preassembled thermal modules without hydraulic interception in between. For deep sliding temperature operation, suitable for natural gas or LPG

Prepared for:

- Management of modulating pump for primary circuit
  - Loads management through E8 heating controller
  - Remote control
  - To be integrated with additional safety devices kit
- 
- 4 star efficiency class according to the European Directive 92/42
  - Each aluminium/silicon/magnesium module has its own combustion chamber with a total radiation burner, modulating fan, gas valve, flame and ignition BMM control device, NTC sensor for local temperature control and safety thermostat
  - Adjacent thermal elements for an optimum reduction of heat losses
  - Hydraulic connection between adjacent elements without interceptions through hydraulically balanced manifolds
  - Complete non-allergic synthetic wool insulation, 50 mm thick
  - Total pre-mix modulating burners, with flame surface in metallic radiating mesh.
- The air – gas premixing occurs within the fan, with built-in check valve
- Pre-mixing occurs in the pre-combustion chamber
  - Air suction system from the boiler room or directly from outside of the boiler room through ducts (optional)
  - E8 heating controller placed on the special disappearing panel board
  - System loads management of up to 2 mixed circuits (up to 15 with optional expansion modules) and a DHW storage tank load
  - Standard delivered: Outer temp. sensor, flow temp. sensor and DHW storage tank sensor
- Optional: room temp. sensor, solar temp. sensor, zones expansion kit, control for an additional zone BM8
- Made with water proof casing; IP X5D
  - Possibility of cascade installation of 2 or more boilers (up to 8), by using an additional E8 controller as MASTER.

## MODULEX EXT

### Logic of operation:

- Maintains the major number of modules firing at the lowest possible rate (up to 12 kW for mod. 100-350 and up to 22 kW for models 440-900) in order to obtain the maximum efficiency
- Automatic working hours sharing among the different modules, so as to ensure the same operation time for all the modules
- D.H.W. production through a priority sensor, that controls a dedicated loading pump or a 3-way diverting valve via the E8
- Possibility of controlling the output of each single module
- Automatic management of the supplied output, of the temperature setpoint and the 0 – 10 V signal to the modulating pump, depending on the installation parameters (BCM)
- Supervision of boiler operation and temperatures status
- Alarms management
- Parameters setting
- Command relay for activation of a constant flow rate pump

### ADDITIONAL FUNCTIONS of the BCM (supplied with the boiler)

- 0÷10 V outlet for modulating pump control
- Emergency operation: anti-blackout through BCM: Constant set-point temperature operation at 70°C (adjustable) and maximum output of 50 %
- Alarm signaling relay
- Hydraulic and gas connections are reversible up to the model 350
- Flue outlet possible on three different positions (R.H. / L.H. or rear side of the boiler)

### Optional accessories:

- Acidic condensate neutralizers
- Primary circuits: (also in pre-assembled and tested version: plug & play), hydraulic system interface with additional safety devices kit and modulating pump (possible combination with mixing header or plate heat exchanger)
- Expansion accessories and remote controller E8



## UNICAL SUHR' – INDUSTRIAL STEAM BOILER

Superheated water boiler, enbloc, horizontal, for middle and high pressure, reversed flame, smoke pipe type, with wet bottom. Sized to grant low thermal loads in combustion chamber and low surface load.

- Wide range composed of 14 models, with nominal output from 140 to 2900 kW
- Design, construction and certification in conformity with the Essential Safety Requirements of PED 97/23/CE.
- Supplied, as standard, complete with insulation, casing, panel board, regulations and safety devices

### **Max. Working Pressure:**

4.9 bar for SUHR'5 and 9.8 bar for SUHR'10, as standard

11.76 bar for SUHR'10, on request

### **Max. Working temperature:**

158.1 °C for SUHR'5 and 183.2°C for SUHR'10

