

# MANUFACTURING AND ENGINEERING

Creators and Users

# HEATING ENGINEER

Graphic Types required and their purpose:

3D Pictorial of gas / water pipe runs to show position of main inlets and outlets for water and sewage. CFD data showing optimal positions of radiators.

Graphic Technologies required and their purpose:

CFD Simulation software to simulate heat transfer in the room / building. 2D/3D CAD drawings of heating system in the building. Isometric view of heating system shows exact position of fixtures and fittings and lengths of pipe runs in 3 dimensions.

# INTERIOR DESIGNER

Graphic Types required and their purpose:

3D Renderings of proposed room layouts to show positions of furniture, doors, fixtures and fittings.

Graphic Technologies required and their purpose:

CFD Simulation software to simulate heat transfer in the room / building. 3D Modelling software complete with rendering functions, texture mapping and lighting. IBL images could also be useful.