

## Computational Fluid Dynamics (CFD) Modelling Service

Please supply information for all yellow boxes. Upon completion email form to [mkadmin@itm.uk.com](mailto:mkadmin@itm.uk.com) or fax to 01908 318833

Requestor Name

Requestor Phone #

Requestor email

Today's Date

Requested Model Date

*NOTE: At least 2 weeks notice is required for model generation and review.*

Customer Name

Company Name

Industry

Size of Opportunity

Why does the customer want a model built?

What is it the customer wants to "see" from the model?

About the Data Center	Existing Conditions	Desired Conditions – The Customer's Vision
What is the shape of the data center space?	<i>Supply Visio, CAD, PDF drawings or simple sketches with room dimensions and existing equipment layout. Be sure to include all access doors and ramps.</i>	<i>Supply Visio, CAD or PDF drawings or sketches that depict the future state or vision of how the customer thinks this space would look. Be sure to include all access doors and ramps.</i>
<ul style="list-style-type: none"> <li>Exterior wall dimensions?</li> <li>Interior wall dimensions?</li> </ul>		
Will any walls be removed? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Can any walls be removed? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Are the walls vented, solid or caged?	<input type="checkbox"/> VENTED <input type="checkbox"/> SOLID <input type="checkbox"/> CAGED	
<ul style="list-style-type: none"> <li>Raised floor height?</li> <li>Raised floor to ceiling height?</li> <li>Ceiling plenum height?</li> <li>Slab to slab height?</li> <li>Ramp size and location?</li> </ul>		

Operating Conditions	Existing Conditions	Desired Conditions
How many meters above sea level?		
Desired Supply air temperature?		
Desired return air temperature?		
Location and number of open-area cut-outs?		
<ul style="list-style-type: none"> <li>Have KoldLoks been installed?</li> </ul>		
# perforated floor tiles?		
<ul style="list-style-type: none"> <li>% open perforated floor tiles?</li> <li>Location of perforated floor tiles?</li> </ul>		
Location and approximate size of under-floor obstructions?		
Location and approximate size of above-ceiling obstructions?		
Equipment and Infrastructure	Existing Equipment/Structures	Desired Equipment
<b>CABINETS AND RACKS</b>		
<ul style="list-style-type: none"> <li>How many?</li> <li>How many kW load per cabinet?</li> <li>Total IT heat load capacity in kW?</li> </ul>		
<ul style="list-style-type: none"> <li>What types of servers are housed?</li> </ul>	<input type="checkbox"/> PIZZA BOX STYLE SERVERS <input type="checkbox"/> BLADES	<input type="checkbox"/> PIZZA BOX STYLE SERVERS <input type="checkbox"/> BLADES
<ul style="list-style-type: none"> <li>Type of cabinet? Manufacturer?</li> </ul>	<input type="checkbox"/> VED <input type="checkbox"/> TRADITIONAL	<input type="checkbox"/> VED <input type="checkbox"/> TRADITIONAL
<ul style="list-style-type: none"> <li>Size <i>(Provide CPI P/N if available)</i></li> </ul>	Width _____ Height _____ Depth _____	Width _____ Height _____ Depth _____
<b>CRAC UNITS</b>		
<ul style="list-style-type: none"> <li>How many?</li> <li>Cooling capacity in CFM/CMH per CRAC Unit?</li> <li>Total cooling capacity in CFM/CMH?</li> <li>Manufacturer?</li> <li>Model #</li> <li>Chilled Water or DX?</li> </ul>	<input type="checkbox"/> CHILLED WATER <input type="checkbox"/> DX	
<b>PDU's</b>		
<ul style="list-style-type: none"> <li>How many?</li> <li>Heat generation in kW?</li> </ul>		
<b>UPS</b>		
<ul style="list-style-type: none"> <li>Heat generation in kW?</li> </ul>		