

## **BRE Global BIM Certification**

Ben Curtis – Scheme Manager BRE Global

Part of the BRE Trust



### We run two types of BIM Certification scheme:

**BIM Level 2 Business Systems Certification scheme** 

**BIM Level 2 Certificated Professional scheme** 

What are the benefits? How do I join? What are the costs involved?



www.bre.co.uk/BIM

### **BIM Level 2 Business Systems Certification**

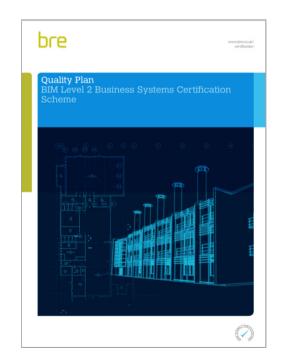
For Companies...



## How does your business benefit?

Fulfils the requirement for employers to carry out a BIM capability assessments in PQQs by showing that your business has the following in place:

- Company Professional Skills and Services
- BIM Skills / Training / Inductions
- I.T. Strategy and Infrastructure
- Software tools
- Compliance with PAS 1192-2:2013 and BS 1192:2007 Standards, methods and processes
- CAD / BIM documentation
- CDE / BEP Case study



### **Business scheme benefits**

- Audited Business Evaluation
- BRE Certificated
- Defined Industry Benchmark
- The Scheme is awaiting PAS 91
  Accreditation, (the Construction Industry's standard pre-qualification questionnaire.)





### **Business scheme benefits**

- Lean Process
  - Reduces Employers Effort/Cost
  - Reduced Supply Chain Effort/Cost
- The scheme has been checked by Industry Specialists and is supported by BuildingSMART UKI





### **Business scheme benefits**

Listing on the BRE website so your potential customers can find and contact you:

### **BIM Level 2 Certificated Businesses**

The following Businesses have met the requirements of BIM Level 2 Business Systems Certification Scheme:

Certificate Number	Company Name	Location Certificated	Website
BREB00001	BDP	16 Brewhouse Yard, Clerkenwell, London	www.bdp.com

For details on how to join the BRE Global Ltd Level 2 Business Systems Certification Scheme, <u>please click here</u>.



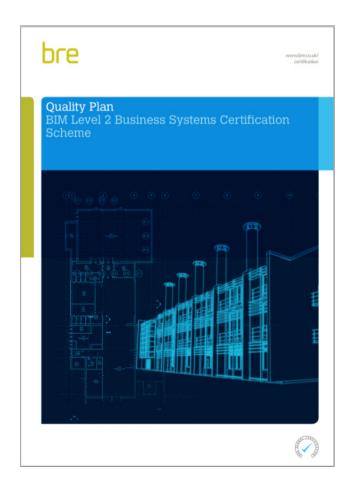
### **Business scheme benefits**

 Get your business ready for 2016 and stand out from the rest of the BIM crowd



### How is the scheme run?

- Our Quality Plan demonstrates in detail how the Scheme is run and maintained.
   Download from <u>www.bre.co.uk/BIM</u>
- Scheme documents and fee sheets are also available for your reference.



### How do I join the scheme?

### www.bre.co.uk/BIM



You are here: Home » BIM » BIM Certification with BRE Global

#### BIM

About BIM

BIM Certification with BRE Global

BIM Level 2 Business Systems Certification

BIM Level 2 Certificated Professional Scheme

BIM training with BRE Academy

BIM Consultancy with BRE

BIM Projects with BRE

buildingSMART UK & Ireland



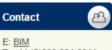
BIM Level 2 Business Systems Certification

Do you want to prove to your clients that you have the policies and procedures do deliver the Government's BIM Level 2 requirements?



BIM Level 2 Certificated Professional Scheme

Do you want to prove you're BIM competent? Scheme membership demonstrates your compliance with the requirements of BIM Level 2 maturity.



T: +44 (0)333 321 8811 Full contact details

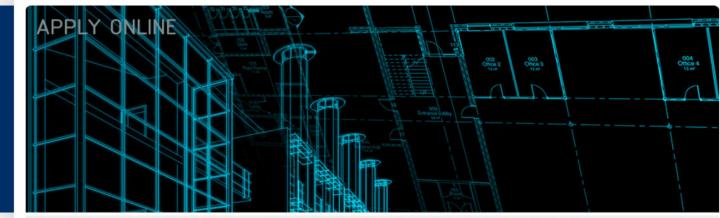






## **Apply online**

### www.bre.co.uk/BIM



are here: Home » BIM » BIM Certification with BRE Global » BIM Level 2 Business Systems Certification » Apply online

## Application tutorial video

BIM Level 2 Certificat

BIM Projects with BRE

Scheme

BIM Level 2 Certificated Profess

BIM training with BRE Academy

#### BIM Level 2 Business Systems Certification

The BIM Level 2 Business Systems Certification scheme assesses and certifies businesses as meeting the level of compliance required by an Employer under PAS 1192-2:2013 to deliver a BIM Project. The scheme requires the completion of an online application form followed by the submission of the application fee of £895 upon completion.

The Online application form requires the provision of information in regards to the following areas of your business:

- Company Business and Structure
- **BIM Services Provided**

Global

ms

- Staff Professional Skills, Certification and Training
- CAD / BIM Skills / Training
- I.T. Strategy and Infrastructure
- Software / CDE Tools

D / BIM Standards Methods and Processes

nce with EIR and BEP Documentation

BRE will a ut a desktop audit of the documentation submitted to see if the application is compliant with BIM Consultancy with BRE the scope of the and if the application is of the recognised standard then a quotation for an onsite audit is provided. The fee site audit is dependent upon the complexity of the audit which will be determined once a complete applicat been submitted. buildingSMART UK & Ireland

If you require further information real to these costs then we suggest that you carry out the online application form to provide sufficient information so a statiled discussion about your requirements can be carried out.

For help with completing this application form please watch our tutorial video

Continue

## **Company Details**

- Name & Address
- Registration Details etc

bco	Services from BRE Global Ltd	Certification & Approvals	Testing	BREEAM		Accreditation	_
DIE	Services from	Research & Innovation	Sustainability	Events		Training	
	BRE					10	
					S822 	Search for	
You are here: Home »	BIM » BIM Certific	ation with BRE Global » BIM	Level 2 Business	Systems Certification » A	pply online		
BIM		Company Information					
		Please provide the following	ng information.				
About BIM BIM Certification with B	PPE Global	Stage 1					
BIM Level 2 Business S							
Certification	,	Applicant Organisation Name of legal entity	en en la fundan 🔿	DDE DIM Cassiana			
Quality Plan		Name of legal entity (	or sole-trader. U	BRE BIN Services			
Apply online		Registered Office Addres	is				
FAQs		A	ddress line 1: 🕧	BRE			
BIM Level 2 Certificate			Address line 2:	Bucknalls Lane			
BIM Level 2 Certificated Scheme	Professional		Address line 3:				
BIM training with BRE A	cademy		Town:	Watford			
BIM Consultancy with BP	RE		County:	Herts			
BIM Projects with BRE			Postcode:	WD25 9XX			
buildingSMART UK & Ire	aland		Country:	United Kingdom		•	
A			Contact Name				
				oakleyp@bre.co.uk			
		Contact T	elephone Number				
		Contact	erepriorie rearriser	00000210011			
		Further Details:					
		Registration Number		123 4587 8			
		Companies House	istration Number:	04845428			
			istration Number:				
		Name of Immediate P					
		Name of Ultimate i					
		Type of	Organisation: 🕕	Limited Company	•		
		Continue					

### **Business Information**

- Company description
- Size of company
- ISO Accredited?

#### **Business Information**

Business Certification relates to individual company locations and an additional application needs to be processed for each location. Where duplicate applications relating to differing locations with the same data apply please contact BRE.

Please provide general information regarding your business and the work you carry out.

### Stage 2

Applicant Organisation			
Description of Company:	Building Research Establishment		
Number of Employees	400		
Number Of BIM Certified Employees	6		
ISO Quality Management Systems or equivalent ISO accreditations	ISO9001		

#### People

Please provide details of the various Roles and Responsibilities defined within your company. Add all that are relevant:

Add person

Continue

### **Business Information**

### **Business Information Continued.**

Business Certification relates to individual company locations and an additional application needs to be processed for each location. Where duplicate applications relating to differing locations with the same data apply please contact BRE.

- Disciplines

Please provide general information regarding your business and the work you carry out.

#### Stage 3

#### **Disciplines within Company**

Please provide details of the various Disciplines availables within your company. Add all that apply:

Architecture	1
Structure	0
Mechanical	1

- Business Sectors

#### Main Business Sectors

Please provide details of the various Business Sectors availables within your company. Add all that you wish to be assessed against:

Residential
 Commercial
 Retail
 Leisure
 Education

✓ Health

## **Business Information**

# Professional Qualifications / Memberships

### Professional Qualifications / Memberships

Please provide details of the various Professional qualified staff within your company. Add all that you wish to be assessed against:

RIBA	5
CIAT	4
RICS	2
FRICS	0
ACA	0
ACAI	0

## - Company's BIM services

### **Company Services**

Please provide details of the various BIM Services availables within your company. Please ensure that these services are supported by adequate people, software, training and skills. Add all that you wish to be assesd against:

2D Drafting
3D Modelling
4D Cost
5D Time
Visualisation
IFC Generation
COBie
Clash Detection
Common Data Environment



### **Certificated BIM Professional**

#### Stage 4

Farrow

#### **Certified BIM Professional**

BIM BO BIM AP

Please provide details of the various BIM Professional qualified staff within your company. Add all that you wish to be assessed against:

		Name						
	Po	osition						
	S	ubject						
		Туре						
	Su	pplier						
		Level						
	Du	ration						
	Achiev	ement						
	Date(dd/mn	n/yyyy) <b>2</b> 2	2/7/2014					
Add Re	cord							
Name	Position	Subject	Туре	Supplier	Level	Duration	Achievement	Date
Stephen	DIM DO		Acredited	PDE		2 Davas	Evm	20/6/2014

BRE

Profesional

AP

2 Dayas Exm

20/6/2014



### **Certificated Software Users**

### **Certified Software Users**

Please provide details of the various certified Software Certificates held by staff within your company. Add all that you wish to be assessed against:

Name	
Position	
Subject	
Туре	
Supplier	
Level	
Duration	
Achievement	
Date(dd/mm/yyyy)	22/7/2014
Add Record	

Name	Position	Subject	Туре	Supplier	Level	Duration	Achievement	Date
Paul Oakley	Associate Director	Revit	Certfied Professional	Autodesk	Professional	3	Exam	20/6/2014



## Software training

**Software Training** 

Please provide details of relevant software training carried out by staff within your company. Add all that you wish to be assessed against:

Staff Training Records

		Name							
	P	osition							
	S	Subject							
		Туре							
	S	upplier							
		Level							
	D	uration							
	Achiev	/ement							
	Date(dd/mr	m/yyyy) 22	2/7/20	14					
Add	Record								
Name	Position	Subject		Туре	Supplier	Level	Duration	Achievement	Date
Paul Oakley	Associate Director	AutoCAD Advanced		AutoCAD	CADPoin	t Level	3 Days	Certitifate	12/11/2013



### **Professional Qualifications**

#### **Professional Qualifications**

Please provide details of relevant Education / Seminars and CD events attended by staff within your company. Add all that you wish to be assessed against:

	Name							
	Position							
	Subject							
	Туре							
	Supplier							
	Level							
	Duration							
	Achievement							
	Date(dd/mm/yyyy)	22/7/2014						
Add F	Record							
lame	Position	Subject	Туре	Supplier	Level	Duration	Achievement	Date
Paul Daklev	Associate Director	Architecture		RIBA	RIBA Part	1 Year	RIBA	6/7/1988

Continue

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## **Information Technology**

### Organisation of Information Technology

Please answer the following questions

IT policy Stage 5 incorporating BIM? Do you have a documented Information Policy/ IT Policy /Security policy and/or standards to deliver Yes ٧ BIM requirements appropriate for the products and select. services and IT operations? ISO Yes Do you have a recognised ISO accreditation in No Accreditation? res relation? ISO 9001 Accreditation If so, please give details Please provide the document in the format of a date stamped PDF. If not in PDF format, documents uploaded will not be saved Please upload document to prove this Choose file 79368 - BIM ... es EDITS.pdf

## **IT Strategy**

If not based on any recognised international standard, then please answer the following questions.

Are any employees within your organisation solely dedicated to Information Technology?	Yes 🔻
If yes, how many?	5
And what are their roles?	IT Manager Software manager
How is the information Technology / data security function organised in your organisation (centralised or decentralised etc.)?	Centralised
Does your organisation outsource any information system functions?	Yes 🔻
If yes, please provide a list of these functions, and details of the organisations involved.	IT Help desk support, managed by CBA Ltd

### **Risk Analysis & Management**

### 1. Risk Analysis & Management

Please specify any risks that Clients should be aware of and indicate whether and how these risks are being mitigated.

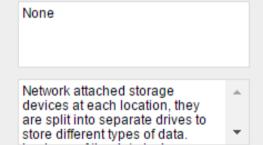
What are your documented data handling, storage & disposal processes?

Where external or third party companies are used, please provide connection & network topology diagrams (example: where multiple companies are supported or serviced; accepted/preferred method of connection is).

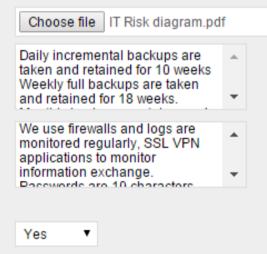
Please give full details of data backup procedures, including type (full, differential etc), media, schedules, locations, off-site, recovery tests etc.

How are attacks on the data storage system defended against /monitored?

Do your employees (permanent, temporary and contract) sign a document indicating they have read and understood your organisations security and privacy policies?



Please provide the document in the format of a date stamped PDF. If not in PDF format, documents uploaded will not be saved



## **Communication and Operations Security**

1	2. Communications & Operations Security		
á	Please provide a concise summary of IT operations arrangements for the IT involved in the products and services to be provided	BRE directly employs 18 staff dedicated to support IT for the business comprising: 2 2nd line engineers, 2 Project	*
5	Are the operational staff who manage the platform / service located in the same premises as the platform / service infrastructure?	Yes 🔻	
	If not, please provide summary details.		
	Please provide details of internet connectivity and associated architecture within your company.	All offices have access to a 30mb connection provided from ABC ISP. There is a Checkpoint firewall, Blue coat proxy and an	
	Are operating systems, databases, and applications hardened to a standard build configuration?	Yes 🔻	
	What types of malicious code and malware detection software do you use?	Endpoint protection from A	
	Where is the software deployed	To all end user appliances	
	What is the update mechanism for the software?	In each office for the purpose of speeding up installs and builds an SCCM distribution point is utilised. All software packages go	^ ▼
á	Please provide details of the IT Support services available to your employees engaged in BIM projects.	All services including help desk are available to employees and they are led through them during induction into the business and	^ ▼
t i F	If not already provided, please provide details of the type and age of equipment and associated infrastructure to be used to provide services (e.g. PC, server and network hardware, OS, Service Pack, Application versions.)	All workstations range from three years old to date and run the Windows seven operating system, all new machines are up	÷ •



## **IT Incident Management**

3. IT Incident Management	
Is an IT security event management system in use, and is it operated in an effective manner?	Yes 🔻
Do you have defined and documented escalation procedure for fault management and major incident / security incident handling?	Yes 🔻
If so please provide summary details.	Managed through our IT help desk, if incidents occur they would be given a different priority and assigned to the appropriate
Has your organisation suffered information technology security related incidents over the past	
two years? If yes, please provide a summarisation and categorisation under the following headings.	Yes 🔻
(NB. Any information relating to this will be held in strictest confidence)	
Malicious acts/outsiders	
Mancious acts/outsiders	
Malicious acts/employees	Virus from non-business issue memory stick. Fortunately identified immediately resolved with no data loss.
Inadvertent errors	
Lack of systems or telecommunications availability	
Natural disaster	
What processes do you have in place to guard against this happening again	Company policy to only use company issue devices with company issue machines enforced.



### **Design Authoring Software**

### Stage 6

**Design Authoring Software Used** 

Please provide details of relevant Design (2D CAD, 3D CAD and BIM) software used by staff within your company. Add all that you wish to be assessed against:

	Vendor	Autodesk 🔹
	Software	Revit (All Versions)
	Version	2015 •
	Usage	BIM
	Supplier	MicroCAD 🔹
	Software Category	Select 🔻
	Annual Renewal	Select Architectural
	Number Of Seats	Building Performance Energy Analysis and Simulation Building Services
	Installed Version	Construction Management Data Server
	Number Of Users	Development Tool Facility Management General Management
	Purchase Date	General Modelling General Management
Id	Comments	Geographical Information System Model Viewer Structural Other
	Appual	umber Of Installed Number of Durchase

#### Annual Number Of Installed Number of Purchase Vendor Software Version Users Renewal Version Date Seats Bentley Microstation V8i 0 15 12 15/10/2014 various



### **Analysis and Clash Avoidance Software**

### Analysis and Clash Avoidance Software

Please provide details of relevant Analysis and Clash avoidance software used by staff within your company. Add all that you wish to be assessed against:

Vendor	Autodesk 🔻		
Software	Select	•	
Version	Select AutoCAD	<b>_</b>	
Usage	AutoCAD LT 3ds Max		
Supplier	AutoCAD Architecture AutoCAD Civil 3D		
Software Category	AutoCAD Electrical AutoCAD Mechanical AutoCAD P&ID		•
Annual Renewal	Inventor Family Mava		
Number Of Seats	Navisworks Manage Navisworks Simulate		
Installed Version	Revit (All Versions) Revit LT		
Number Of Users	Building Design Building Design Premium		
Purchase Date	Building Design Ultimate Simulation Family		
Comments	Vault Family	•	

### Add

Vendor	Software	Version	Annual Renewal	Number Of Seats	Installed Version	Number of Users	Purchase Date
Autodesk	Navisworks Simulate	2015	0	5	2015	3	15/10/2014



### **Visualisation and Presentation Software**

### Visualisation and Presentation Software

Please provide details of relevant Visualisation and Presentation software used by staff within your company. Add all that you wish to be assessed against:

Vendor	Select
Software	Select 🔻
Version	Select 🔻
Usage	Select
Supplier	Select
Software Category	Select
Annual Renewal	0
Number Of Seats	0
Installed Version	
Number Of Users	0
Purchase Date	22/7/2014
Comments	



### **Other BIM related software**

### Other BIM related software

Please provide details of relevant Other BIM related software used by staff within your company. Add all that you wish to be assessed against:

Vendor	Select
Software	Select 🔻
Version	Select 🔻
Usage	Select
Supplier	Select 🔻
Software Category	Select 🔻
Annual Renewal	0
Number Of Seats	0
Installed Version	
Number Of Users	0
Purchase Date	22/7/2014
Comments	



### **General Office Software**

### General Office Software

Please provide details of relevant General Office software used by staff within your company. Add all that you wish to be assessed against:

Vendor	Select 🔻
Software	Select ▼
Version	Select 💌
Usage	Select 🔻
Supplier	Select
Software Category	Select 🔻
Annual Renewal	0
Number Of Seats	0
Installed Version	
Number Of Users	0
Purchase Date	22/7/2014
Comments	



### **Extranet and Data Software**

### Extranet and Data Exchange Software

Please provide details of relevant Extranet and Data Exchange software used by staff within your company. Add all that you wish to be assessed against:

Vendor	Select
Software	Select 🔻
Version	Select 🔻
Usage	Select
Supplier	Select
Software Category	Select 👻
Annual Renewal	0
Number Of Seats	0
Installed Version	
Number Of Users	0
Purchase Date	22/7/2014
Comments	



## **Data Exchange Formats**

### Data Exchange Formats Used

Please provide details of Data Formats used for Exchange of information by staff within your company:

Vendor	Select 🔻
Software	Select
Version	Select
Usage	Select
Supplier	Select
Software Category	Select 👻
Annual Renewal	0
Number Of Seats	0
Installed Version	
Number Of Users	0
Purchase Date	22/7/2014
Comments	

### Add

Continue

## **BIM / CAD Documentation**

- Project folder Structure
- File Naming Conventions
- Layer / Level Naming Conventions
- Classification system used
- File Status, Purpose, Revisions
- Document / Model Exchange
- Clash Avoidance procedure
- Project Implementation
- Archive

### BIM / CAD Documentation

### Stage 7

Please provide documentary evidence of company BIM and CAD standards where applicable defining your standards, methods and processes including, but not limited to:

- Project Folder Structure
- File Naming Conventions
- Library Naming Conventions
- Layer / Level Naming Conventions
- Classification Systems used
- File Status, Purpose and Revision control
- Document / Model Exchange Procedure
- Clash Avoidance procedure
- Project Implementation Procedure
- Archive procedure

Please provide the document in the format of a date stamped PDF. If not in PDF format, documents uploaded will not be saved

### BROWSE

Click the browse button and select the files to upload.

The selected files will appear in the queue on the right.

An item can be removed from the queue by clicking the red cross next to it, or clear the whole queue by clicking the 'clear queue' button.

When the correct files have been selected, click the 'upload button'. The files upload one at a time and completed files disappear from the queue. The box will be empty when all files have been uploaded.

Don't navigate away from this page until the uploads have finished.



Upload files Clear queue

## **BIM / CAD Execution Plan, CDE Case Study**

### BIM / CAD Documentation BIM Execution Plan

Please provide either a Project Case study or sample BIM Execution Plan. Include information relating to the process involved in the production of COBie.

Please provide the document in the format of a date stamped PDF. If not in PDF format, documents uploaded will not be saved

Name of Document BRE BEP Case Study 1

Choose file BRE BEP case study 1.pdf

**Common Data Environment** 

Please provide either a Project Case study or documentation supporting your company's use of a Common Data Environment

Please provide the document in the format of a date stamped PDF. If not in PDF format, documents uploaded will not be saved

Name of Document BRE CDE Case Study1

Choose file BRE CDE case study 1.pdf

### **Payment**

#### Stage 8

#### **Billing details**

Co

Your home address details from the application form appear below. To amend or add any details, click in the appropriate boxes and enter the new details.

We will send confirmation of your payment by e-mail to the address given below. Please ensure this is correct

If you require any assistance with your application please contact us on S 0845 863 0014 or enquiries@breassessor.co.uk

		Billing Details		
Firstna	ame:			
Surna	ame			
Organisat	tion :	BRE BIM Services		
Addres	ss1 :	BRE		
Addres	ss2 :	Bucknalls Lane		
То	own :	Watford		
Cou	unty :	Herts		
Postco	ode :	WD25 9XX		
Cour	ntry :	United Kingdom	•	
Pho	one :			
En	nail :			
		Confirmation of this order is correct	will be sent to this e-mail a	ddress. Please ensure that it
ntinue				

## Fees

### Costs are dependent upon the simplicity or complexity of:

- Professional Services offered;
- Number of Disciplines;
- Number of locations;
- BIM Services Provided;
- Software solutions used;
- Standards, Methods and Processes (SMPs) in use;
- Project numbers and sizes undertaken.

## **Multiple Site – Standardised Assessment**

- What can be assessed for Multiple Site?
- What is Company Specific?
- What is Location Specific?

### **Reduce costs by standardising Audit requirements**

- Reducing Desktop Audit Requirements
  - (1 Large Audit rather than 20 Smaller ones)
- Reduce on Site Audit Requirements
  - Where standardised systems such as IT / HR / Compliance documentation are consistent throughout.

#### **Fees – Overview**

The simplest application is based upon a single application fee of £895 and then onsite audit and verification fees. For larger or more complex applications with multiple site locations there are two options:

Option 1 – Basic Application fee of £895 + Large Onsite Audit for each location
 Option 2 – Multisite Application fee + Desktop Audit fee + reduced Onsite Audit fee.

Here are some examples..

#### Fees

#### **Case 1: Small Single Discipline Practice**

ABC Architects are a small, single discipline firm of less than 25 employees who provide architectural services out of a single office utilising a common business information standard, software and services.

Cost to complete Certification: £4,045

Breakdown:

- £895 Application fee, including document assessment
- £0 Additional documents assessment
- £3,150 Site audit (typically 2 days), write-up, sign-off and validation

### Fees

#### **Case 2: Small Multi Discipline Practice**

123 Engineering Ltd are a small multi discipline firm of less than 30 employees who provide MEP services (3 Disciplines) out of a single office with software specific information standards.

Cost to complete Certification - £5,845

Breakdown:

- £895 Application fee including document assessment
- £750 Additional Document assessment
- £4,200 Site audit (typically 3 days), write-up, sign-off and validation

#### Fees

#### **Case 3: Large Multi Discipline Practice**

A1 International is a large multi discipline firm (Architects, Structural engineers, Mechanical Engineers and Civil Engineers) who operate out of 8 regional offices providing BIM Services. IT systems, software standards, methods and protocols are identical across all locations.

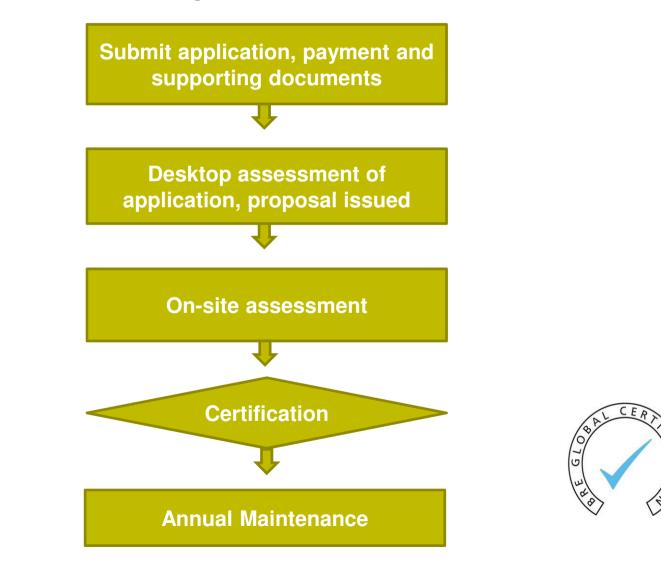
Cost to complete Certification - £14,932

Breakdown:

- £2,672 Multisite Application Fee
- £3,560 Desktop Audit (Additional Document Assessment of SMPs and Case studies)
- £8,700 Site audit (typically 6.5 days), write-up, sign-off and validation



#### **Business Certification process overview**

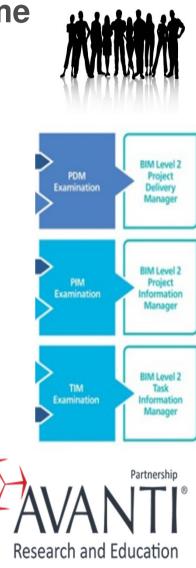


# BIM Level 2 Certificated Professional Scheme

For Individuals...

### **BIM Level 2 Certificated Professional Scheme**

- Based on PAS 1192-2:2013
- Offers independent and third party assessment of BIM Management roles
- CPD requirements of 5 hours per year
- Yearly desktop audit and review to ensure the highest standards are always met
- BRE working towards UKAS accreditation for the scheme
- Developed in conjunction with Avanti



#### **Three levels of BIM Level 2 Certificated Professional**

- Scheme is open to anyone wishing to become a BIM Level 2
  Certificated Professional if they meet the scheme requirements
- Applicants must undertake and pass an assessment of competence (exam) in one of the three levels of BIM Level 2 Certificated Professional



#### Fees

### Year 1

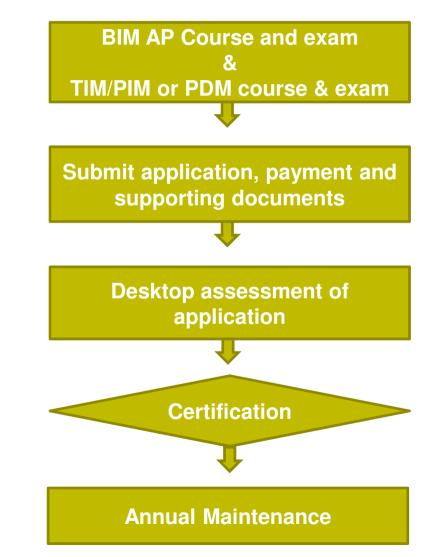
- Application fee £295 + VAT
- Yearly desktop audit £700 + VAT

#### **Subsequent years**

- Yearly membership fee £100 + VAT
- Yearly desktop audit £700 + VAT



#### **Certification process overview**



### **Contact us**

- To apply to any of the schemes either contact us by
- Email : <u>BIM@bre.co.uk</u>
- Telephone : 0333 321 88 11
- Website : <u>http://www.bre.co.uk/index.jsp</u>
- Twitter : @brecert

## BRE ACADEMY







