



39 Victoria Street

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Head of BIM



Agenda

- Project Overview
- Challenges & Resolutions
- Benefits
- Lessons Learnt
- BIM in action

Project Overview

Contract: Design and Build

Government Project: BIM Level 2 mandate

Limited client BIM expertise

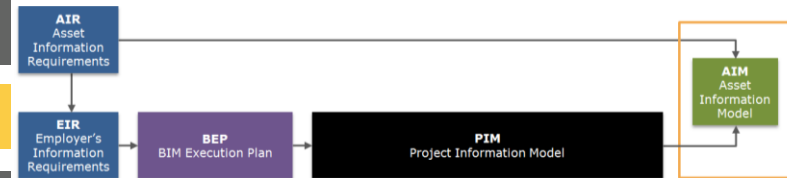
Existing building with maintained services

Employers Information Requirements (EIR)
Asset Information Requirements (AIR)

WDI cooperation to produce the EIR and AIR

BIM Execution Plan

Design and Coordination in 3D environment



Challenges

No Facilities Management Team appointed to develop the right AIR

Incomplete and incorrect existing O&M information

Consultants BIM skills

Resolutions

Support the client to collect the most important data

Point Cloud Survey and research of data to be incorporated in the model

Procure subcontractor early to progress the design



Benefits

Visualisations

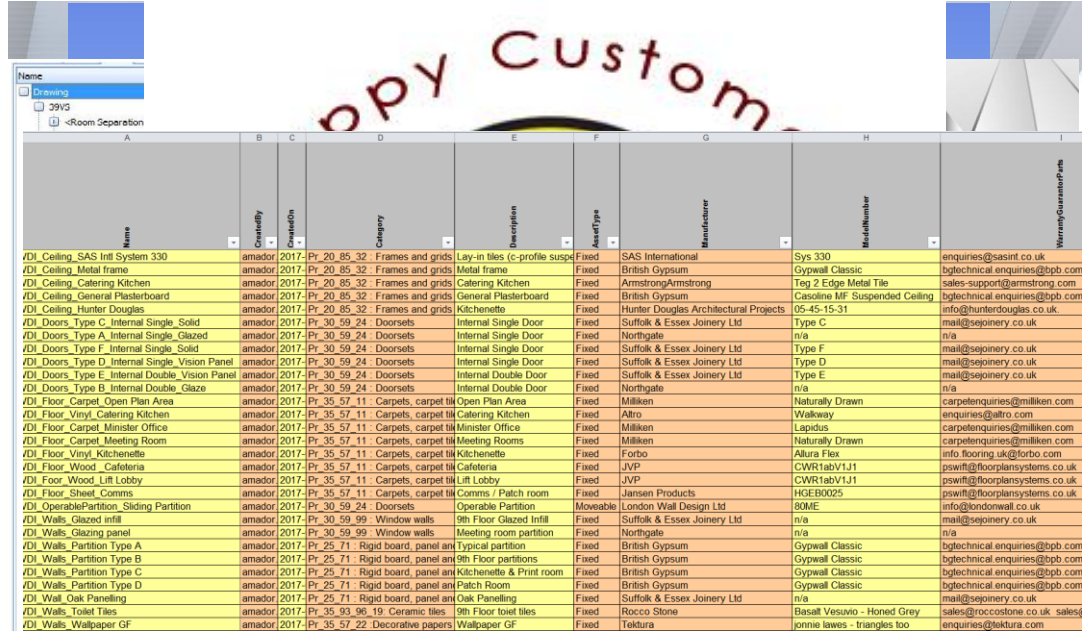
Accurate management of Information

Design coordination

5D Quantities Take off

Better Asset Information

Defect free, on time and on budget



Name	CreateBy	CreateOn	Category	Description	Asset Type	Manufacturer	Model Number	Warranty/Guarantee/Part	
JDI Ceiling_SAS Int System 330	amador	2017-Pr	20_85_32	Frames and grids	Lay-in tiles (c-profile susped	Fixed	SAS International	Sys 330	enquiries@sasint.co.uk
JDI Ceiling_Metal frame	amador	2017-Pr	20_85_32	Frames and grids	Metal frame	Fixed	British Gypsum	Gypwall Classic	bgtechnical.enquiries@bpb.com
JDI Ceiling_Catering Kitchen	amador	2017-Pr	20_85_32	Frames and grids	Catering Kitchen	Fixed	ArmstrongArmstrong	Teg 2 Edge Metal Tile	sales-support@armstrong.com
JDI Ceiling_General Plasterboard	amador	2017-Pr	20_85_32	Frames and grids	General Plasterboard	Fixed	British Gypsum	Casolme MF Suspended Ceiling	bgtechnical.enquiries@bpb.com
JDI Ceiling_Hunter Douglas	amador	2017-Pr	20_85_32	Frames and grids	Kitchenette	Fixed	Hunter Douglas Architectural Projects	9C-45-15-31	info@hunterdouglas.co.uk
JDI Doors_Type C Internal Single_Solid	amador	2017-Pr	30_59_24	Doorsets	Internal Single Door	Fixed	Suffolk & Essex Joinery Ltd	Type C	mail@sejoinery.co.uk
JDI Doors_Type A Internal Single_Glazed	amador	2017-Pr	30_59_24	Doorsets	Internal Single Door	Fixed	Northgate	n/a	n/a
JDI Doors_Type F Internal Single_Solid	amador	2017-Pr	30_59_24	Doorsets	Internal Single Door	Fixed	Suffolk & Essex Joinery Ltd	Type F	mail@sejoinery.co.uk
JDI Doors_Type D Internal Single_Vision Panel	amador	2017-Pr	30_59_24	Doorsets	Internal Single Door	Fixed	Suffolk & Essex Joinery Ltd	Type D	mail@sejoinery.co.uk
JDI Doors_Type E Internal Double_Vision Panel	amador	2017-Pr	30_59_24	Doorsets	Internal Double Door	Fixed	Suffolk & Essex Joinery Ltd	Type E	mail@sejoinery.co.uk
JDI Doors_Type B Internal Double_Glaze	amador	2017-Pr	30_59_24	Doorsets	Internal Double Door	Fixed	Northgate	n/a	n/a
JDI Floor_Carpet_Open Plan Area	amador	2017-Pr	35_57_11	Carpets, carpet tile	Open Plan Area	Fixed	Miliken	Naturally Drawn	carpetenquiries@miliken.com
JDI Floor_Vinyl_Catering Kitchen	amador	2017-Pr	35_57_11	Carpets, carpet tile	Catering Kitchen	Fixed	Alfro	Walkway	enquiries@alfro.com
JDI Floor_Carpet_Minister Office	amador	2017-Pr	35_57_11	Carpets, carpet tile	Minister Office	Fixed	Miliken	Lapudis	carpetenquiries@miliken.com
JDI Floor_Carpet_Meeting Room	amador	2017-Pr	35_57_11	Carpets, carpet tile	Meeting Rooms	Fixed	Miliken	Naturally Drawn	carpetenquiries@miliken.com
JDI Floor_Vinyl_Kitchenette	amador	2017-Pr	35_57_11	Carpets, carpet tile	Kitchenette	Fixed	Forbo	Allura Flex	info.flooring.uk@forbo.com
JDI Floor_Wood_Catleria	amador	2017-Pr	35_57_11	Carpets, carpet tile	Catleria	Fixed	JVP	CWRtabV1J1	pswift@floorplansystems.co.uk
JDI Floor_Wood_Lift Lobby	amador	2017-Pr	35_57_11	Carpets, carpet tile	Lift Lobby	Fixed	JVP	CWRtabV1J1	pswift@floorplansystems.co.uk
JDI Floor_Sheet_Comms	amador	2017-Pr	35_57_11	Carpets, carpet tile	Comms / Patch room	Fixed	Jansen Products	HGEB0025	pswift@floorplansystems.co.uk
JDI OperablePartition_Sliding Partition	amador	2017-Pr	30_59_24	Doorsets	Operable Partition	Movable	London Wall Design Ltd	ROME	info@londonwall.co.uk
JDI Walls_Glazed infill	amador	2017-Pr	30_59_99	Window walls	9th Floor Glazed Infill	Fixed	Suffolk & Essex Joinery Ltd	n/a	mail@sejoinery.co.uk
JDI Walls_Glazing panel	amador	2017-Pr	30_59_99	Window walls	Meeting room partition	Fixed	Northgate	n/a	n/a
JDI Walls_Partition Type A	amador	2017-Pr	25_71	Rigid board, panel an	Typical partition	Fixed	British Gypsum	Gypwall Classic	bgtechnical.enquiries@bpb.com
JDI Walls_Partition Type B	amador	2017-Pr	25_71	Rigid board, panel an	9th Floor partitions	Fixed	British Gypsum	Gypwall Classic	bgtechnical.enquiries@bpb.com
JDI Walls_Partition Type C	amador	2017-Pr	25_71	Rigid board, panel an	Kitchenette & Print room	Fixed	British Gypsum	Gypwall Classic	bgtechnical.enquiries@bpb.com
JDI Walls_Partition Type D	amador	2017-Pr	25_71	Rigid board, panel an	Patch Room	Fixed	British Gypsum	Gypwall Classic	bgtechnical.enquiries@bpb.com
JDI Wall_Oak Panelling	amador	2017-Pr	25_71	Rigid board, panel an	Oak Panelling	Fixed	Suffolk & Essex Joinery Ltd	n/a	mail@sejoinery.co.uk
JDI Walls_Toilet Tiles	amador	2017-Pr	35_93_96	Ceramic tiles	9th Floor toilet tiles	Fixed	Rocco Stone	Basalt Vesuvio - Honed Grey	sales@roccostone.co.uk sales@enquiries@textura.com
JDI Walls_Wallpaper GF	amador	2017-Pr	35_57_22	Decorative papers	Wallpaper GF	Fixed	Textura	ornie lowes - triangles too	enquiries@textura.com



Lessons Learnt

Clients Considerations

What equipment is required to be **maintained** and what information and/ or level of data is needed for each equipment.

Point Cloud Survey

Define the true goals and **objectives** is critical to successfully handing over BIM to FM.

Supply Chain BIM Capabilities Standards. eg.BS1192:2007

Has the client the ability to **maintain** the model during the life cycle of the building to avoid becoming outdated.

Define **how to name**, number, identify spaces and equipment's.