SOCIALLY DISTANT COLLABORATION

UKBIMA WALES AND SOUTH WEST: 7TH JULY 2020

Tim Lockett, Design Manager
WHITEHEAD BUILDING SERVICES

MEP Building Services Contractor, est. 1978

Head Office
- Newport, South Wales

Office Locations
- Bristol
- Exeter
- Redruth

Sectors
- Public
- Commercial
- Residential
- Rail
- Maintenance

Turnover
- ~ £40m

Staff
- ~ 300

© Whitehead Building Services Limited | DESIGN | INSTALLATION | MAINTENANCE | MANAGEMENT
CURRENT PROJECTS: SOUTH WALES REGION

Cardiff University Innovation Centre
- University research and teaching
- Project value ~ £50m

Ysgol Bro Morgannwg, Barry
- Secondary school, part new, part-refurb
- Project value ~ £18.5m

Cefn Saeson School, Neath
- Secondary school, new-build
- Project value ~ £29m
DESIGN AND BIM TEAM

- Design up to feasible-generic model (Stage 4A) received as project brief or outsourced
- Co-ordinated models (4B onwards) to record model in-house
- 6 permanent staff
- BIM Team predominantly office-based but moved to site during stage 5
- Design Manager – Tim Lockett
COPING WITH COVID...

• How have we managed with lockdown...?
HOME OFFICE SETUP

• Get yourself a big TV...
VIDEO CONFERENCING

- MS Teams
- Zoom
- Screen-sharing
VIDEO CONFERENCING

BLUESTONE COVID-19 HOSPITAL
• Initial brief to MEP completion in 3 weeks
AUTODESK BIM360

- Revit Cloud Worksharing
- No need to VPN to office-based server
- Reduced sync times from 20 mins to 2 mins
- Retained after Covid-19 for site-office collaboration
REVIZTO

- Visualisation
- Co-ordination
- Model QA
- Site communication
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OFFSITE MANUFACTURE

- Design for Manufacture and Assembly (DfMA)
- Offsite manufactured plant rooms
- Modular plant e.g. pump sets on skids
THANKS FOR LISTENING!