Streamer

European research on energy-efficient healthcare districts

Legend:

- ▭ Examined in T4.2
- ▭ Examined in T4.3
- ▭ Examined in T5.1
- ▭ Examined in T5.2 and T6.3

Examined in T6.1:

- ◆ making use of mono- or multidisciplinary STREAMER design validation / configuration in native environment
- ◆ making use of mono- or multidisciplinary STREAMER design validation / configuration in IFC environment

- ▭ Examined in T6.2 & T6.3

Swimlane rows:

government | client/hospital (management, facility management, end user) | exchange non-BIM | consultants | exchange BIM | design & build team (BIM management, urban designer, architect, building services engineer, structural engineer, interior designer, contractor)

Phase columns: strategic definition & preparation of the brief | concept design | developed design | technical design | construction | in use

government
- validate programmatic and financial aspects
- approve / suggest building site
- provide building permit

client/hospital – management
- create strategic PoR
- project initiation
- create detailed PoR
- select all design team partners
- feedback on "frequently updated BIM"
- validate concept design
- feedback on "frequently updated BIM"
- validate developed design
- feedback on "frequently updated BIM"
- validate technical design
- validate as-built BIM

client/hospital – facility management
- provide functional requirements
- supply all relevant information of existing situation (if applicable)
- feedback on "frequently updated BIM"
- feedback on "frequently updated BIM"
- feedback on "frequently updated BIM"
- provide facility management data and requirements

client/hospital – end user
- provide functional requirements
- feedback on "frequently updated BIM"
- feedback on "frequently updated BIM"
- feedback on "frequently updated BIM"

exchange non-BIM
- quality and budget recommendations
- turnover and capacity calculations
- possibilities for renovation / new build
- space-based requirements
- space-based requirements
- minutes of meetings
- minutes of meetings
- minutes of meetings

consultants
- advise on PoR
- analyse existing situation
- retrofitting / renovation scenario
- manage costs and planning
- manage costs and planning
- manage costs and planning

exchange BIM
- BIM-coordination document
- drawings / BIM
- technical information
- PoR (database)
- frequently updated BIM
- phase document
- phase document
- phase document
- as-built BIM
- in-use BIM

design & build team – BIM management
- start BIM process
- collect stakeholders' wishes and needs
- setup BIM server to include aspect models and other information
- provide access to client and design team
- manage concept design central BIM
- manage developed design BIM
- manage technical design BIM
- manage as-built BIM
- manage in-use BIM

urban designer
- retrofitting / renovation scenario
- analyse existing situation
- start design
- establish permanent BIM connection w/ other models
- create conceptual design GIS model
- create developed design GIS model
- create technical design GIS model

architect
- retrofitting / renovation scenario
- analyse existing situation
- advise on PoR
- start design
- establish permanent BIM connection w/ other models
- synchronise PoR with architectural model
- create conceptual design architectural BIM
- create developed design architectural BIM
- create technical design architectural BIM

building services engineer
- retrofitting / renovation scenario
- analyse existing situation
- advise on PoR
- start design
- establish permanent BIM connection w/ other models
- create conceptual design MEP BIM
- create developed design MEP BIM
- create technical design MEP BIM

structural engineer
- retrofitting / renovation scenario
- analyse existing situation
- start design
- establish permanent BIM connection w/ other models
- create conceptual design structural BIM
- create developed design structural BIM
- create technical design structural BIM

interior designer
- start design
- establish permanent BIM connection w/ other models
- create conceptual design interior BIM
- create developed design interior BIM
- create technical design interior BIM

contractor
- starting date in case of DBFM consortium
- feedback on "frequently updated BIM"
- feedback on "frequently updated BIM"
- starting date in case of non-DBFM situation
- create technical design architectural BIM
- create as-built BIM
- maintain in-use BIM