

```

| 00_File_Structure.pdf
| 01_Experimental specification BESmodVAL_annex71_final_vX.X.pdf
+---02_Additional Documents
| +---Geometry
| | 04_RoofStructure Model.pdf
| | Plans_TwinHouses.pdf
| | \---External Shading
| | | ExternalShading_TwinHouses_Annex71.pdf
| | | ExternalShading_TwinHouses_Annex71.skp
| | | \---Extended Experiment Only
| | | | 20190404_ExternalShadingNEU_Annex71.pdf
| | | | 20190404_Shading_Zwillingshaeuser.skp
| +---Heating and DHW
| | 20181026_Hydronic Sceme.pdf
| | arotherm-vwl-55-85-115-155-2-datenblaetter-1115125.pdf
| | Arotherm_designGuidelines_international.pdf
| | AuxHeat_vwz meh 60.pdf
| | DHW tank_brochure.pdf
| | DHW tank_data sheet_HRS300.pdf
| | DHW_HEATING_three way valve.pdf
| | HeatExchanger_Wärmetauscher_vwz-mwt-150.pdf
| | HydrStunt_Weiche_vwz-mps-40.pdf
| | UFH pipeing.pdf
| +---Instrumentation
| | Measurement Channel List.xlsx
| +---Materials and Constructions
| | 01_Constructions_TwinHouses.xlsx
| | AN71 Bridging calculations external dims_new3.pdf
| | AN71 Bridging calculations Internal dims_new3.pdf
| | Brief Coheating Test Summary - Holzkirchen.pdf
| | Humidity properties.pdf
| | IEA_Annex_71_Thermal_Bridges_revised_18.06.2019.pdf
| | Rollerblind Housing.pdf
| | Rollerblinds.zip
| | \---glazings
| | | GlzSys_TwinHousesGlas_Avg.idf
| | | GlzSys_TwinHousesGlas_Spec.idf
| | | Window6.3_glazing_props_EN410_fromAnnex58.txt
| | | Window6.3_glazing_props_NRFC.txt
| | \---pictures
| | +---2018-12-10 CoHeating
| | | bath.JPG
| | | bedroom.JPG
| | | child1.JPG
| | | child2.JPG
| | | corridor.JPG

```

```
dining.JPG
doorway.JPG
kitchen.JPG
living.JPG
stairs.JPG

+---external views
+---N2
 \---05
      05_view_NE.JPG
      05_view_South.JPG
      05_view_SW.JPG

+---external window (child1) automated
+---N2
 |      P1090593.JPG
 |      P1090595.JPG
 |
 \---05
      P1090574.JPG
      P1090581.JPG
      P1090584.JPG
      P1090586.JPG
      P1090587.JPG
      P1090588.JPG
      P1090589.JPG
      P1090590.JPG
      P1090591.JPG
      P1090592.JPG

+---N2
      N2_view_NW.JPG
      N2_view_NW_2.JPG
      N2_view_SE.JPG
      N2_view_South.JPG
      N2_view_SW.JPG
      N2_view_SW_2.JPG

+---05_pano
      bath.JPG
      bed.JPG
      child1.JPG
      child2.JPG
      corridor.JPG
      dining.JPG
      door_BED-corridor.JPG
      door_CORRIDOR-bed.JPG
      IMG_3676.JPG
      kitchen.JPG
      living_1.JPG
      living_2.JPG
      living_3.JPG
      stairs_1.JPG
      stairs_2.JPG
```

```

|      stairs_3.JPG
|
| \---underfloor heating_attic
|   |   fermacell_Produktdatenblatt_EstrichElement2E11_2E22.pdf
|   |   05_child1_Rohrlängen FbH.JPG
|   |   05_child2_Rohrlängen FbH.JPG
|   |   P1090281.JPG
|   |   P1090282.JPG
|   |   P1090283.JPG
|   |   P1090284.JPG
|   |   TI_FHS_ClimaComfortTBS.pdf
|   |
|   +---N2
|   |   +---child1
|   |   |       P1090289.JPG
|   |   |       P1090290.JPG
|   |   |       P1090293.JPG
|   |   |       P1090300.JPG
|   |   |       P1090301.JPG
|   |   |       P1090302.JPG
|   |   |       P1090303.JPG
|   |   |       P1090304.JPG
|   |   |
|   |   \---child2
|   |   |       P1090291.JPG
|   |   |       P1090295.JPG
|   |   |       P1090296.JPG
|   |   |       P1090297.JPG
|   |   |       P1090298.JPG
|   |   |       P1090299.JPG
|   |   |
|   |   \---05
|   |   |   +---child1
|   |   |   |       P1090319.JPG
|   |   |   |       P1090320.JPG
|   |   |   |       P1090321.JPG
|   |   |   |       P1090322.JPG
|   |   |   |       P1090323.JPG
|   |   |   |       P1090327.JPG
|   |   |   |       P1090328.JPG
|   |   |   |       P1090329.JPG
|   |   |   |
|   |   |   \---child2
|   |   |   |       P1090314.JPG
|   |   |   |       P1090315.JPG
|   |   |   |       P1090316.JPG
|   |   |   |       P1090317.JPG
|   |   |   |       P1090318.JPG
|   |   |
|   +---03_Data_Main_Experiment
|   |   +---Experiment1 - blind
|   |   |       Twin_house_N2_exp1_10min.xlsx
|   |   |       Twin_house_N2_exp1_60min.xlsx
|   |   |       Twin_house_05_exp1_10min.xlsx

```

```
|
|     Twin_house_05_exp1_60min.xlsx
|
+---Experiment1 - open
|     graph_MEfull.zip
|     Twin_house_N2_exp1_full1_10min.xlsx
|     Twin_house_N2_exp1_full1_60min.xlsx
|     Twin_house_N2_exp1_full2_10min.xlsx
|     Twin_house_N2_exp1_full2_60min.xlsx
|     Twin_house_N2_exp2_full2_60min.xlsx
|     Twin_house_05_exp1_full1_10min.xlsx
|     Twin_house_05_exp1_full1_60min.xlsx
|     Twin_house_05_exp1_full2_10min.xlsx
|     Twin_house_05_exp1_full2_60min.xlsx
|
\---Weather Data
|     Twin_house_weather_exp1_10min_compensated.xlsx
|     Twin_house_weather_exp1_60min_compensated.xlsx
|
\---04_Data_Extended_Experiment
+---Experiment2 - blind
|     Twin_house_N2_exp2_10min.xlsx
|     Twin_house_N2_exp2_60min.xlsx
|     Twin_house_05_exp2_10min.xlsx
|     Twin_house_05_exp2_60min.xlsx
|
+---Experiment2 - open
|     graph_EEfull.zip
|     Twin_house_N2_exp2_full1_10min.xlsx
|     Twin_house_N2_exp2_full1_60min.xlsx
|     Twin_house_N2_exp2_full2_10min.xlsx
|     Twin_house_N2_exp2_full2_60min.xlsx
|     Twin_house_05_exp2_full1_10min.xlsx
|     Twin_house_05_exp2_full1_60min.xlsx
|     Twin_house_05_exp2_full2_10min.xlsx
|     Twin_house_05_exp2_full2_60min.xlsx
|
+---TracerEnd
|     ACReud.xlsx
|     ACReud_60Min.xlsx
|
+---TracerGas
|     CONCENTRATION_10Min.xlsx
|     CONCENTRATION_60Min.xlsx
|
\---Weather Data
|     Twin_house_weather_exp2_10min_compensated.xlsm
|     Twin_house_weather_exp2_60min_compensated.xlsm
```