## Uren woningmodel en projecten

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Implementatie | Direct nodig in projecten | MMIP FF |  | Uren |
| 1 | * Bitbucket |  | x |  |  |
| 2 | * Warmtepomp |  |  |  |  |
| 3 | * Water/water warmtepomp |  | x | PvK | 20 |
| 4 | * Lucht/water warmtepomp deellast |  | x | MvdB | 20 |
| 5 | * HT-warmtepomp | 1-1-2021, MMIP 8.3 |  | MvdB | 30 |
| 6 | * Hybride warmtepomp | 1-1-2021, MMIP 8.4 |  | MvdB | 20 |
| 7 | * Simuleren bodembron ISO |  | x | PvK |  |
| 8 | * Simuleren bodembron eindige volumes |  | x | PvK |  |
|  | * Buffervat |  |  |  |  |
|  | * Verwarming | 1-1-202, MMIP 8.3 |  | MvdB | 30 |
|  | * tapwater | 1-1-202, MMIP 8.3 |  | MvdB | 30 |
| 9 | * Zon |  |  |  |  |
|  | * Voorspelling zoninstraling | MMIP-FF Itho |  | PvK | 40 |
| 10 | * Collectorvergelijking |  | x | MJ | 20 |
| 11 | * PV-panelen |  | x | MJ | 20 |
| 12 | * PVT-panelen | 1-2-2021 |  | MJ | 10 |
| 13 | * Geconcentreerde zon | ?? |  | MJ |  |
| 14 | * Aansturing |  |  |  |  |
| 15 | * MPC |  | x | MJ |  |
| 16 | * Machine Learning |  | x | MJ | 80 |
|  | * RBC gebruikerroutine |  | x |  |  |
| 17 | * Afgifte |  |  |  |  |
| 18 | * Vloerverwarming |  | x | MvdB | Studenten, 60 |
| 19 | * Convectorradiator |  | x |  |  |
| 20 | * PCM radiator |  | x |  |  |
| 21 | * PCM-materiaal |  | x |  |  |
|  |  |  |  |  |  |
|  | Berekeningen uitvoeren |  |  |  |  |
| 22 | * HT-warmtepomp appartement | 1—3-2021, MMIP8.3 |  | MvdB | 120 |
| 23 | * Hybride warmtepomp | 1-3-2021,  MMIP 8.4 |  | RtS,MvdB |  |
| 24 | * Standaard woningconfiguraties |  | x | RtS,LG | 200 |
| 25 | * rijwoning |  |  |  |  |
| 26 | * 2 onder 1 kap/Hoekwoning |  |  |  |  |
| 27 | * Appartement (meerdere posities) |  |  |  |  |
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