

Previous Work

Giovanni Bianchi: Single Evaluation of Building Energy Demand

Johannes Hofer: Detailed Model and Evaluation of
PV Electricity Production

Prageeth Jayathissa: Parametric Thermal Model with Estimated PV

Master Thesis Goals

- **Combine to Create Single Model**
- **Design Parametric Simulation Tool**
- **Evaluate Multiple Scenarios**

Long Term Goals

Implementation of
Model Predictive Control (MPC)
for Prototypes of ASF

Detailed Parametric Model
for ASF Design Considerations

In Depth Analysis of
ASF Performance