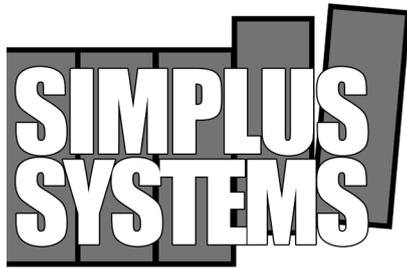


# TIM SWEENEY

AIA, CPHD, CPHT, LEED AP

Founding Principal of **Sweeney Architecture**  
Creator of the **Simplus Building System**  
CEO of **Simplus Systems**



## Building to Benefit the Planet

**“Passive House design maximizes energy savings. Panelization streamlines construction. The Simplus Building System is the first patented system to combine these technologies to deliver the most efficient, sustainable buildings possible, setting a new standard in construction.”**

— TIM SWEENEY

**Buildings and Construction Contribute to Climate Change**

- 39% of total annual carbon emissions annually
- 11% emissions are from building materials and construction
- 28% CO2 emissions come from building operations
- One electrical outlet can leak 55gal of water vapor annually
- \$5,300 energy wasted annually from the average home
- 26,000 lbs of CO2 emissions annually from average home

**Passive House Design is the Most Energy Efficient**

- Low energy usage and costs
- Low GHG emissions
- Better ventilation
- Air, smoke, and vapor-tight
- Healthier and safer
- More comfortable
- Greater performance
- More resilient during blackouts
- Less reliance on energy grid

**MgO Panelization is the Most Efficient Construction**

- Faster construction
- Factory design and fabrication
- Offsite construction
- Cost & material savings
- Accurate assembly
- More simplicity
- More durable
- Fire resistant
- Mold and fungus resistant
- Water resistant
- Termite proof
- Environmentally safe

### Passive Design + Panels = Simplus Building System Savings\*

Annual Carbon Emissions Lowered by

**90%**

Annual Energy Savings per Building

**90%**

Faster Construction Times, up to

**55%**

Labor Cost Savings, up to

**41%**

\* Average savings across typical building and construction .

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