# Energy Offset: Quantifying What Unplugged Cooling Saves

*7-15% HVAC savings. Measured. Not modelled. Not hoped.*

## At a Glance

Measured HVAC offsets: 7-15 percent reduction. Not modelled. Not projected. Measured in actual deployed systems. Thermopod™ reduces compressor runtime and peak cooling demand simultaneously.

## Summary

Energy savings from plant-based cooling historically disputed because simulation models unreliable and field measurements rare. Thermikron®'s deployed systems in Microsoft Bengaluru, corporate offices, co-working show consistent 7-15 percent HVAC energy reduction over full cooling seasons. Reduction scales with pod density and space geometry. Savings result from reduced peak cooling load (shade plus evapotranspiration) and extended comfort bands (humidity restoration). March through November India heat stress drives compressors hardest May-June and September-October. Easy Retrofit Biothermal Microconditioning offsets cooling demand precisely when it matters most. Return on investment typically 2-3 years from energy savings alone. Long-term operational cost drops measurably per month.