

Built Environment & Energy Advisory Committee

Metropolitan Washington Council of Governments
Department of Environmental Programs

November 2014



Todd C. Lukesh, LEED AP, Assoc. AIA, CGBP, GPR
Vice President, IES West Coast

Our History



Global thought leaders in **quantifying and qualifying sustainability and efficiency through measurement, simulation and analytics**. We enhance our customers' triple bottom line by reducing energy costs and carbon emissions of their buildings and helping them record their achievements. Our unique HUB process is transforming building operation by providing the best decision-support information for our clients.

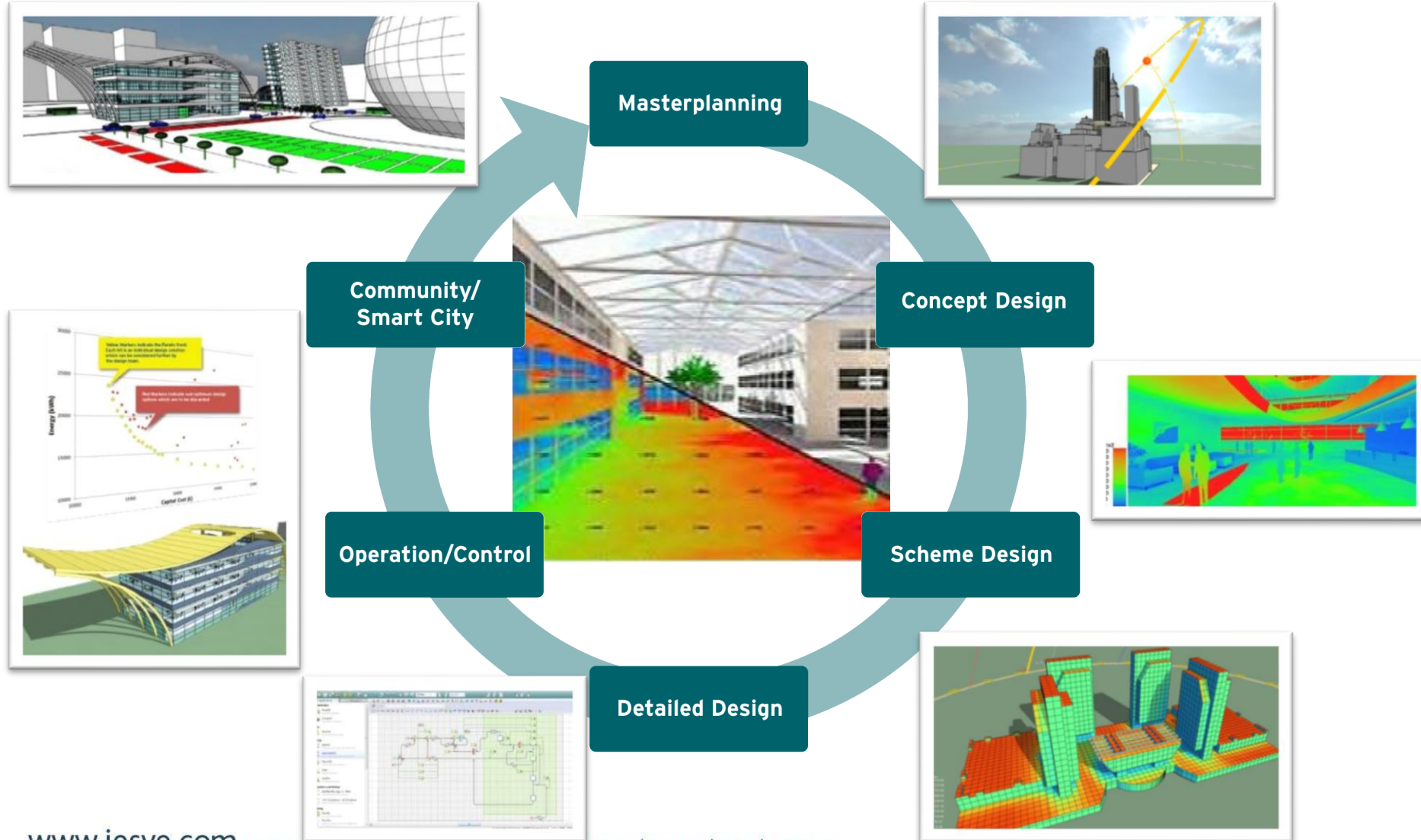
- IES founded in 1994 (20-year old firm)
- Headquarter office in Glasgow, Scotland
- Global offices: **Dublin, Boston, Atlanta, Pune, Melbourne & Vancouver**
- Global Business Development teams: **San Francisco, Malaysia & Minneapolis**
- International Sustainability Consultancy Services including **LEED, BREEAM, GSAS & Estidama**
- Our simulation technology is used throughout the world by many of the leading Architects, Engineers and Contractors to **quantify, optimize and verify** low energy and sustainable buildings.
- VE software used in over **140 countries**



A Global IES Network

The Smart Community Lifecycle (SCL)

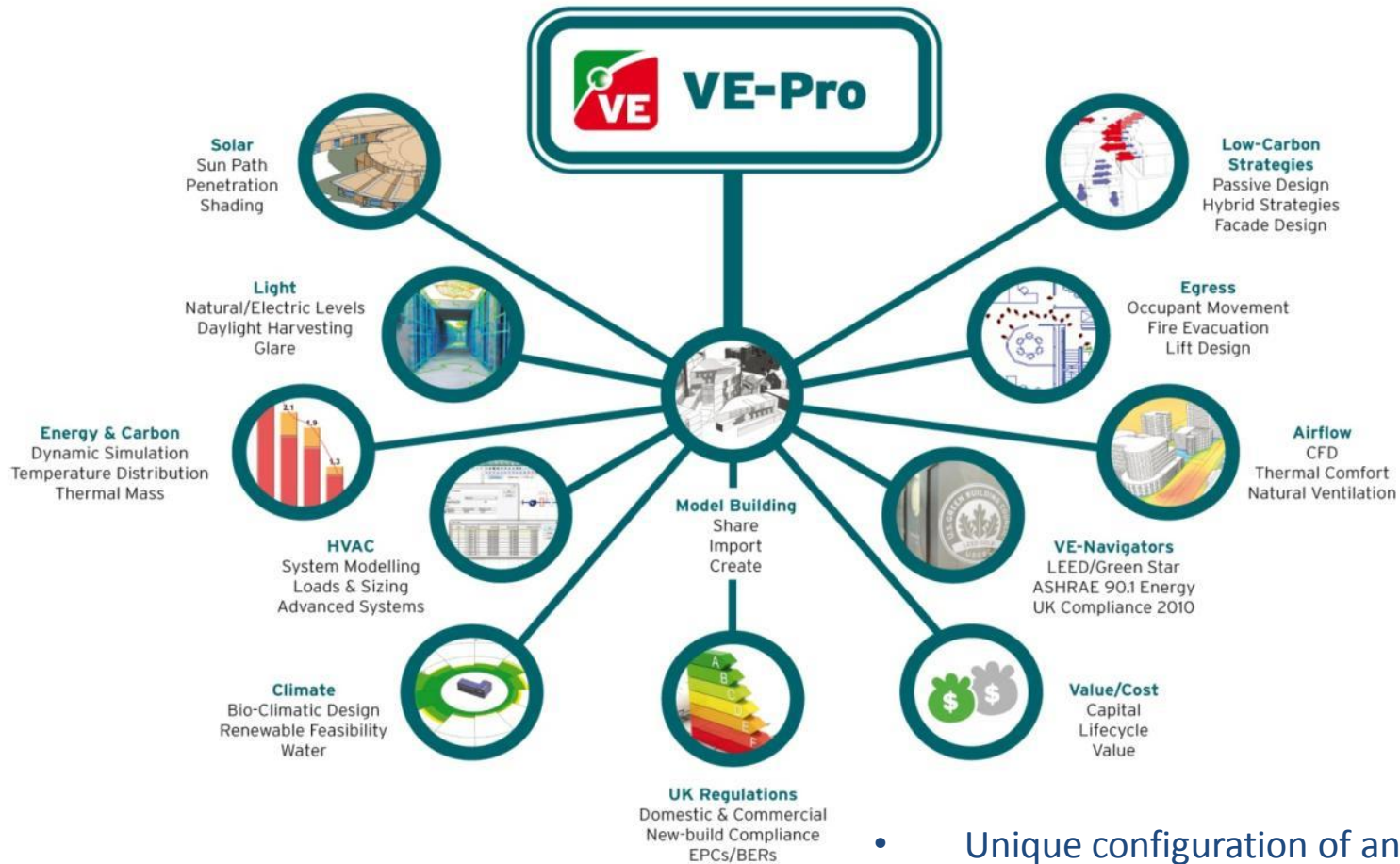
The IES Process



Sustainability for the Building Lifecycle



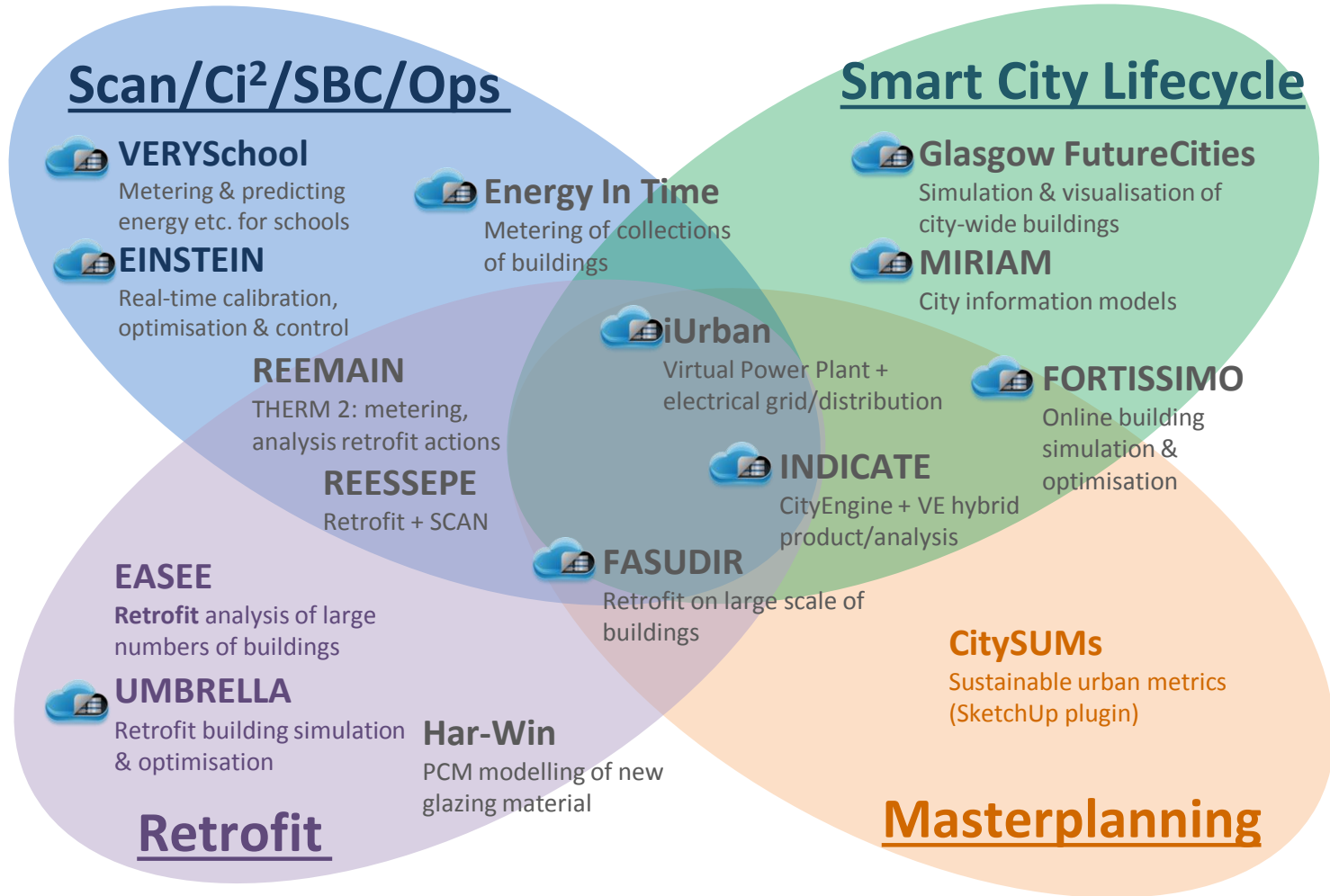
EARLY STAGE DETAILED DESIGN



- Unique configuration of analysis tools
- Technology proven worldwide
- Single 3D model approach

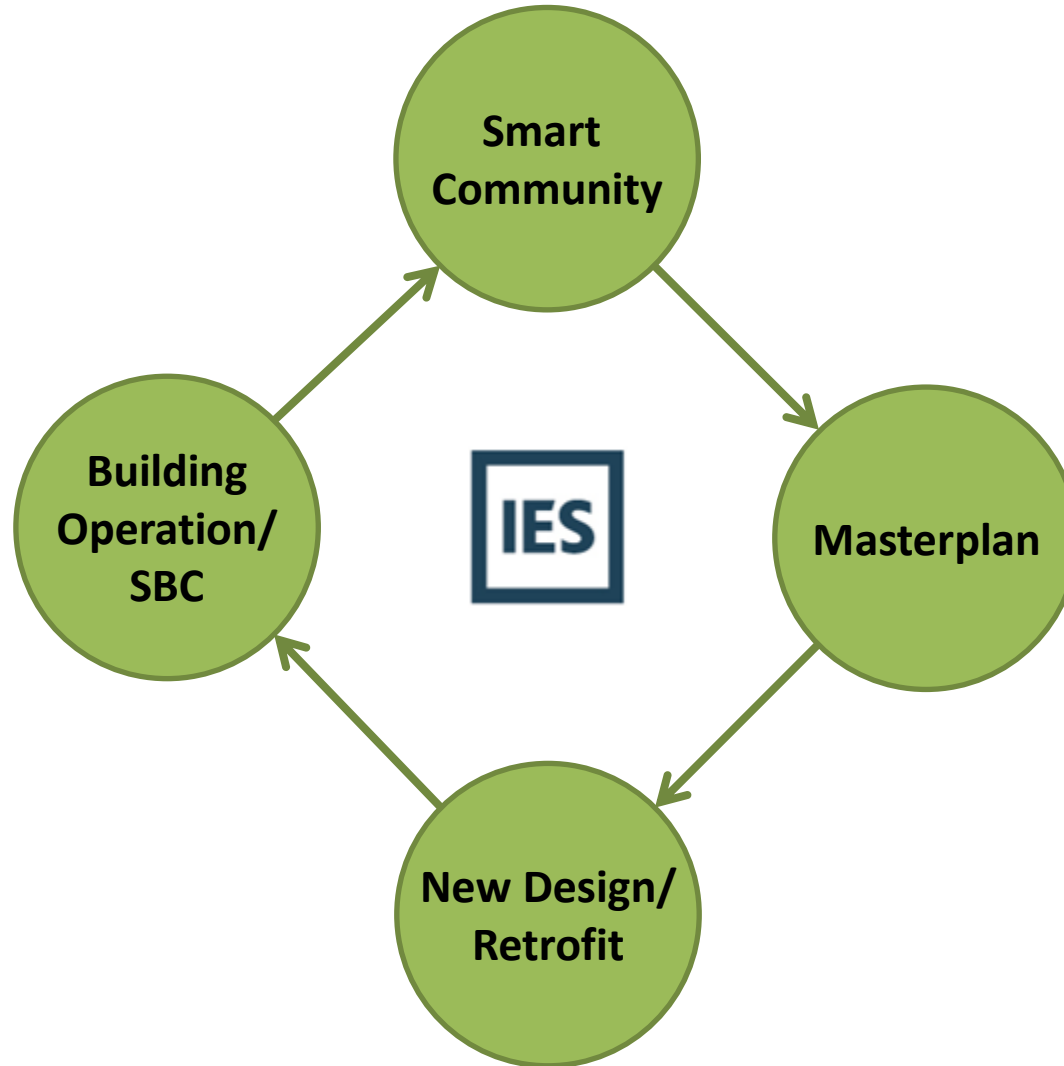
Research & Development

Projects Overview



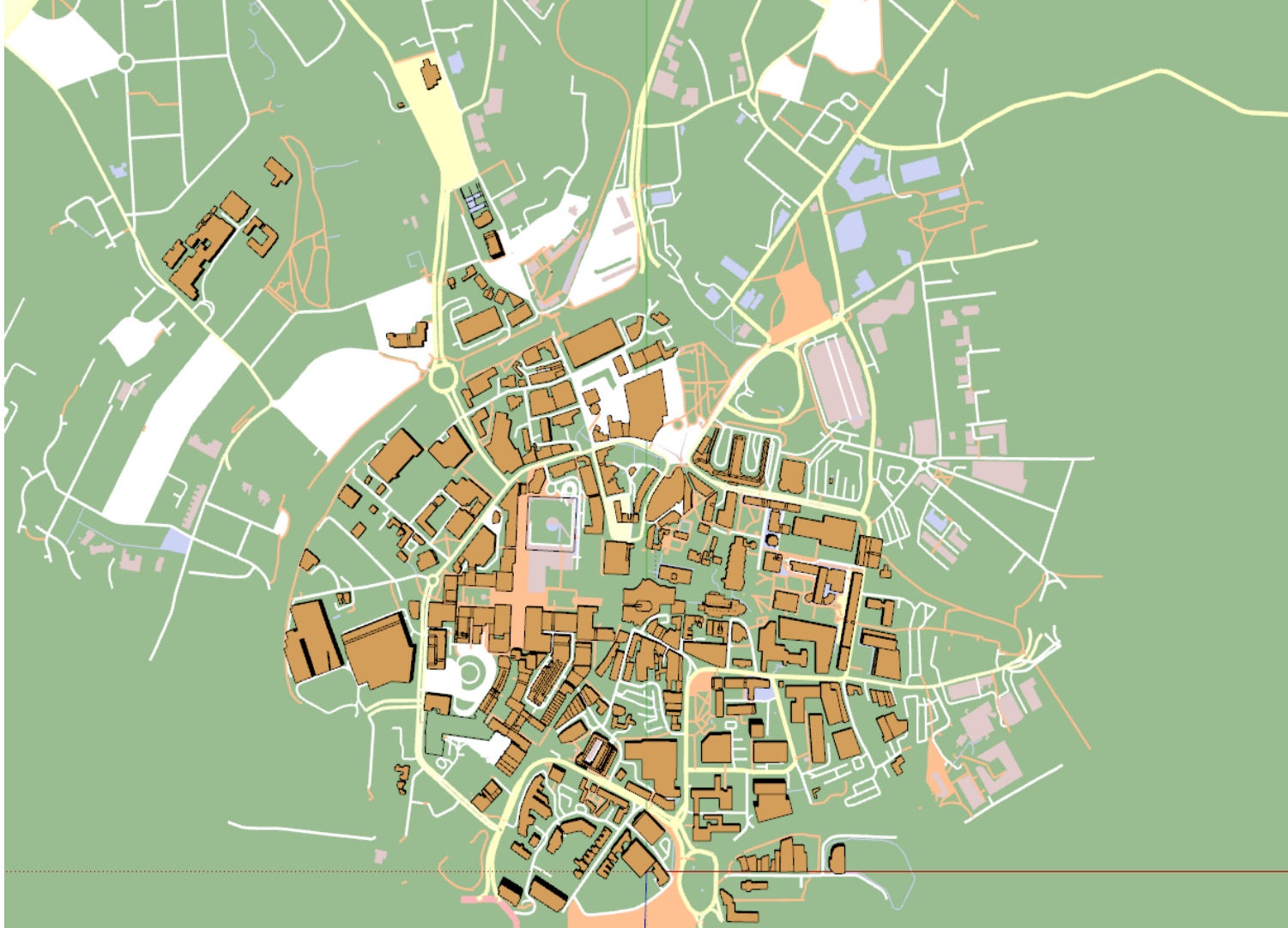
 = uses Web-based sim/calcs

Smart Community Lifecycle (SCL)



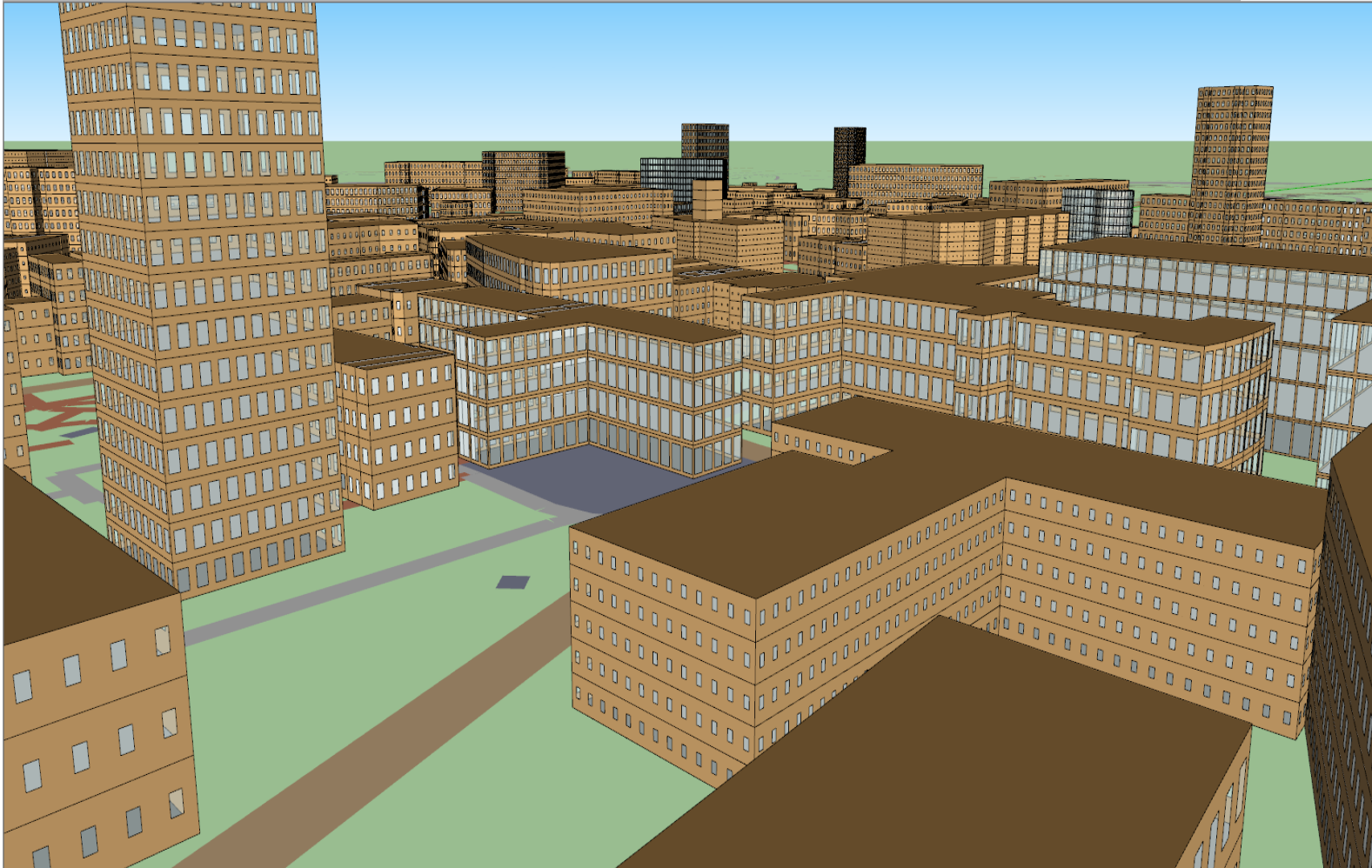
Masterplanning & EcoDistricts

Model Build



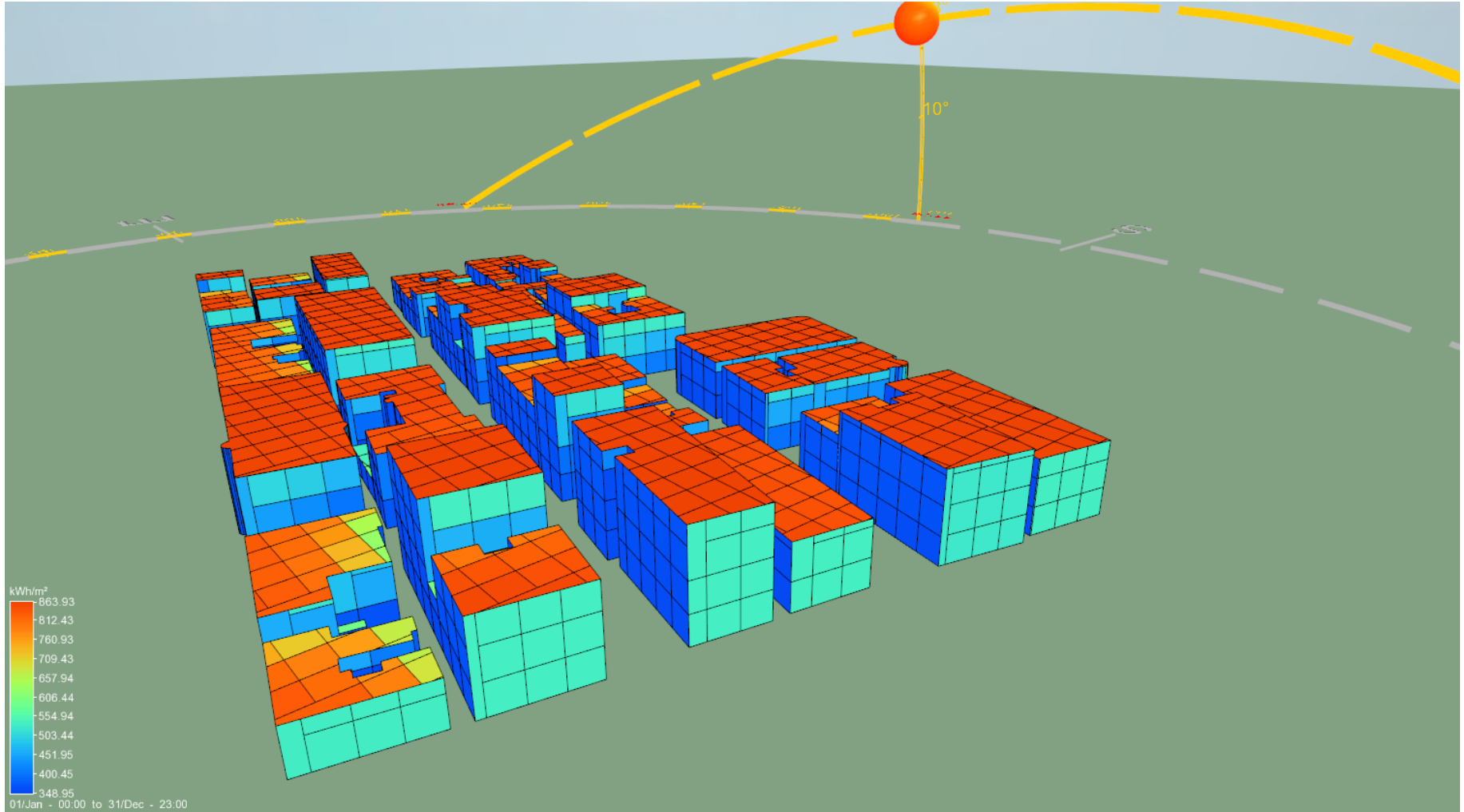
Masterplanning & EcoDistricts

Model Visualization



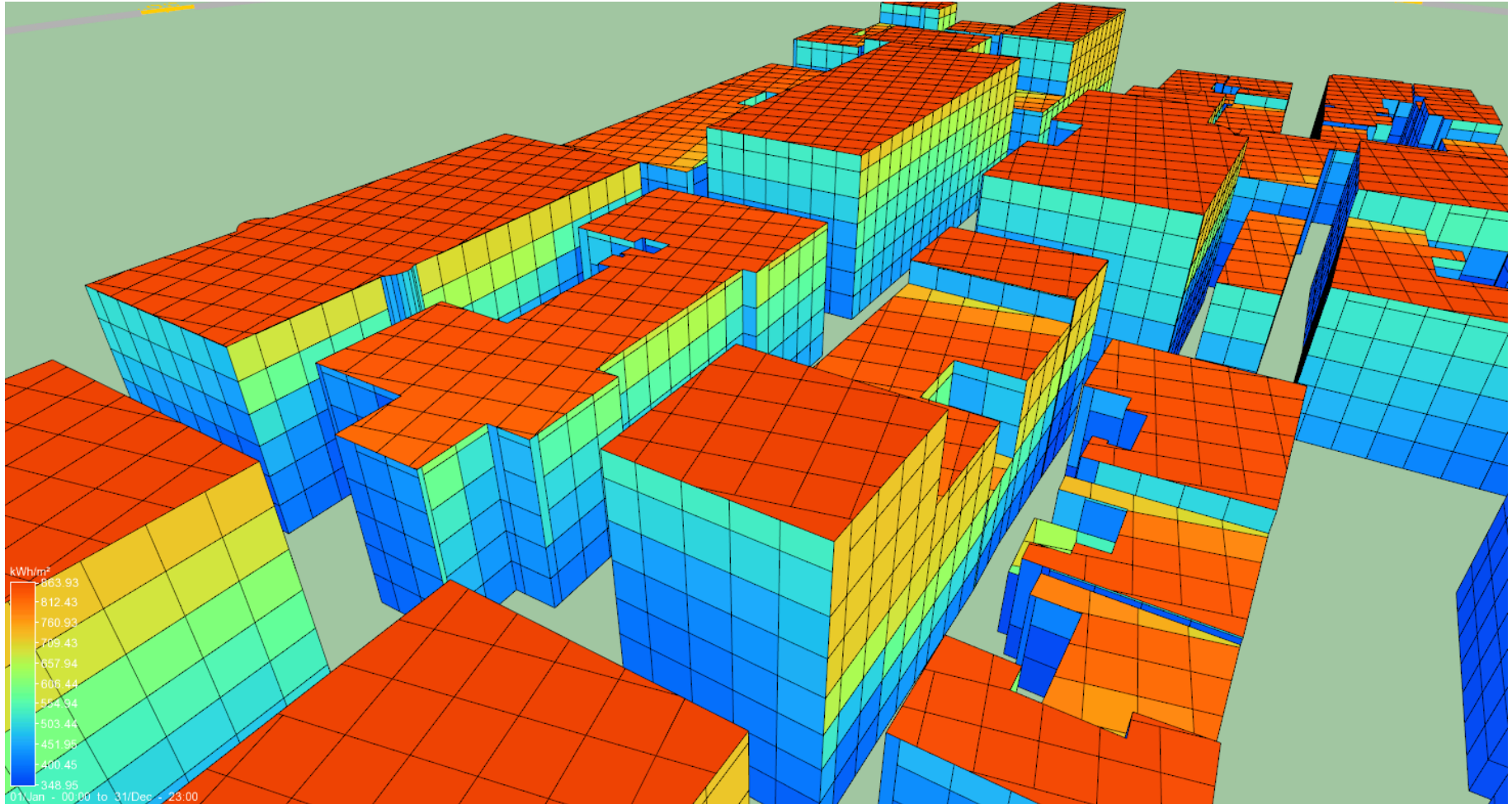
City Masterplanning

Solar Intensity

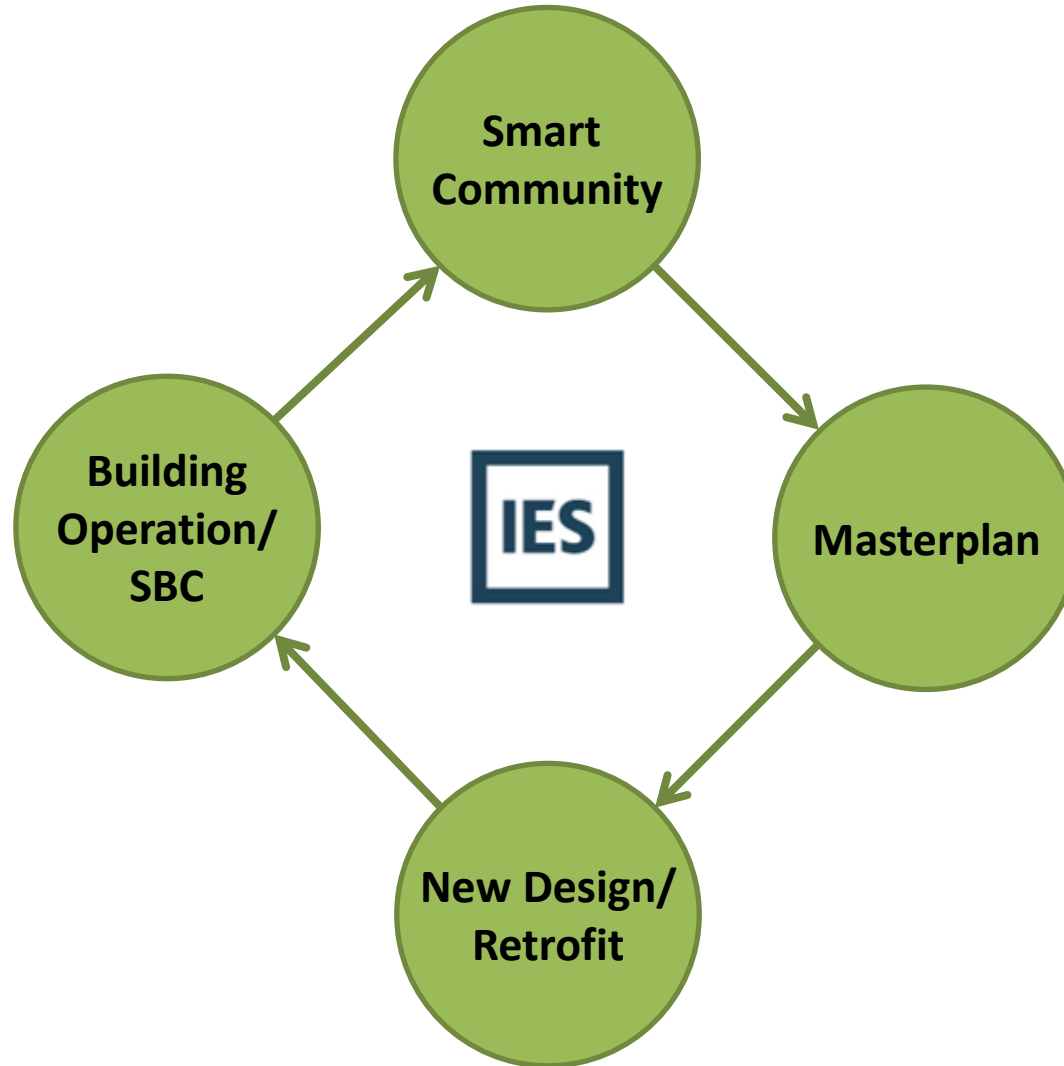


City Masterplanning

Solar Intensity



Smart Community Lifecycle (SCL)



Comments & Questions?

www.iesve.com

Thank You!



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