



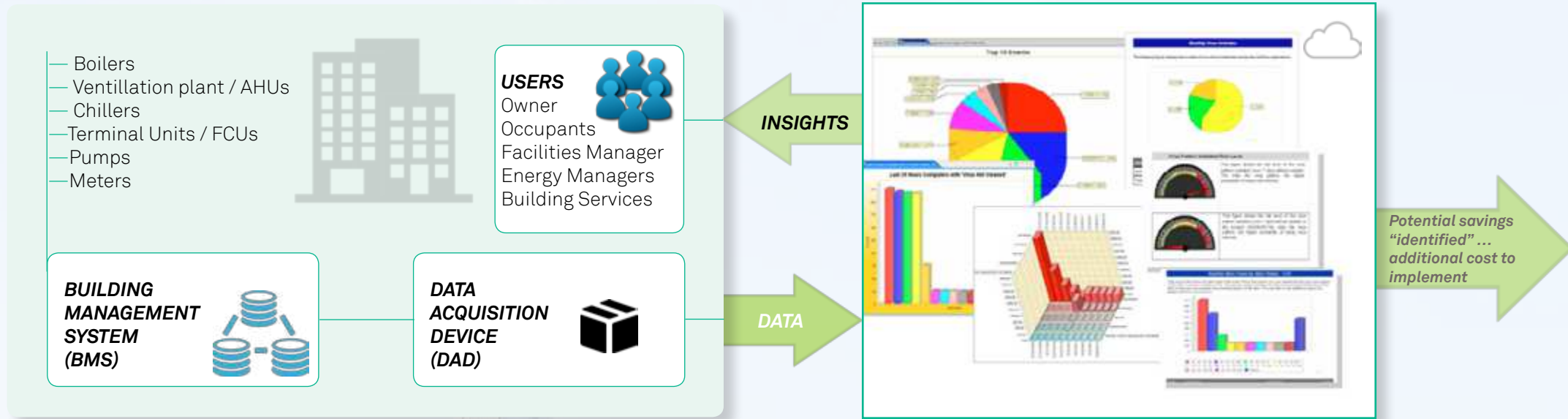
# ecopilot®

## ***Harness the thermal mass of your building...***

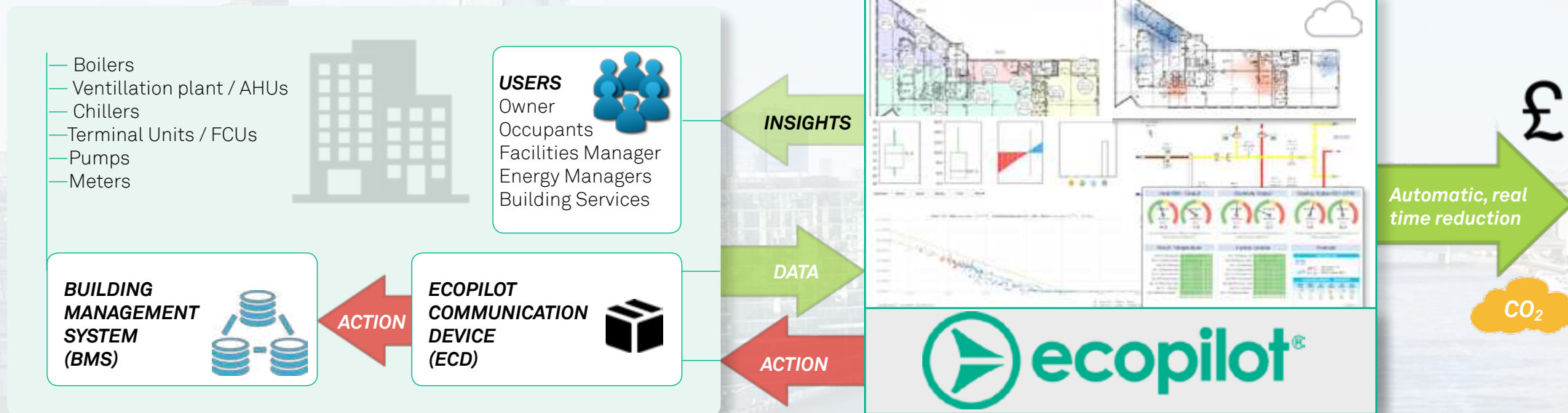
- Thermal mass exists in “all” structures, so why not use it?
- Internal loads generated by occupancy and office equipment, can and should be utilised.
- Improve your office climate & reduce complaints.
- Reduce CO<sub>2</sub> emissions.
- Reduce energy costs .

# WHERE DOES ECOPILOT FIT INTO YOUR CURRENT SYSTEM(S)?

## Analytics Tool



## Ecopilot





# FUNCTIONAL COMPARAISON OF ECOPILOT AND OTHER BUILDING CONROL / ENERGY EFFICIENCY SYSTEMS

	CONTROL SYSTEMS		ENERGY EFFICIENCY SYSTEMS				
Functions	BMS	SCADA	Weather compensator	System monitoring	Optimiser (UK market)	<b>Ecopilot</b>	Energy statistics program
Monitoring real estate portfolio heating, ventilation, cooling, fire, electricity (elevators, lighting)	N	Y	N	N	N	N	N
Monitoring heating, ventilation, cooling, fire, electricity (elevators, lighting)	Y	Y	N	Y (Parts of the systems)	N	N	N
Alarms, faults in the technical systems	Y	Y	N	N	N	N	N
Manages thermal storage based on indoor climate	N	N	N	N	N	Y	N
Coordinates the installed systems dynamically over time	Manual	Manual	N	N	N	Y	N
Weather Compensates	N	N	Y (heating only)	N (Analysis)	N	Y (entire building)	N
Controls power and cuts the power peaks	N	N	Y (by outdoor temperature)	N	Y	Y	N
Control over the spot price of electricity	N	N	N	N	N	Y	N
Alarm at higher energy consumption than expected	N	N	N	N	N	Y	Y
Need for manual work to optimise energy use	High	High	Low	Average	Low**	Automated	High
Reports	Y (Operating status)	Y (Operating status)	Y (Only heating)	Y	N	Y*	Y (Energy consumption and enviromental impact CO2)
Payback	Technical maintenance	Technical maintenance	Few years	Depending on amount of manual work	Months	Few years	Depending on amount of manual work

\* The system is automated and works 24/7 to tune the system to maintain the desired indoor climate at the lowest energy cost as possible. The system also points to faults in the building that need attention

\*\* Savings based on on/off functions and no consideration is taken of the indoor climate.