

# GreenBuilding Program

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Energy - New

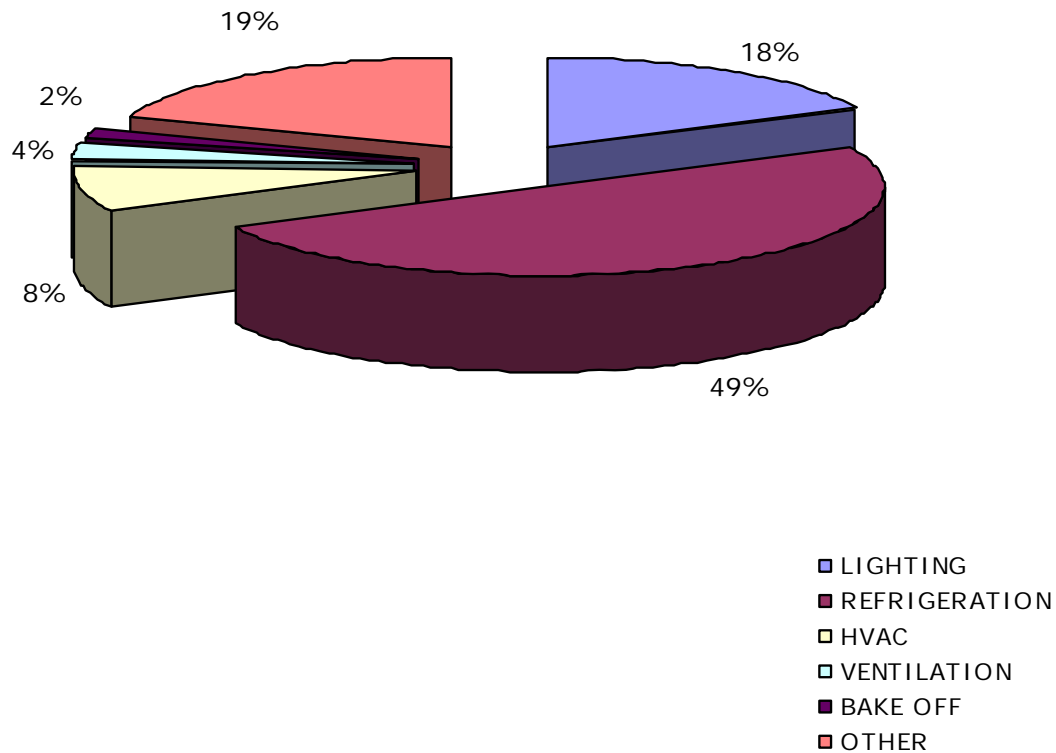
Technologies Supervisor

# Inspiration

- The inspiration was to concentrate and implement through measurements all our successful energy saving projects



# Where we consume





# Implementation

Refrigeration	HVAC	Lighting	Escalators - Elevators
<ul style="list-style-type: none"><li>•Energy Fan Motors</li><li>•Night Blinds motorized</li><li>•Central canopy lights only (except in Meat multideck)</li><li>•Sliding doors at freezers with low emissivity glasses</li><li>•Reduced anti-mist heaters</li><li>•Less “open” serve-over counters has reduced the total load</li><li>•Remote monitoring &amp; control system</li><li>•EEV (Electronic Expansion Valves)</li><li>•Energy recovery through de-superheaters for hot water production</li></ul>	<ul style="list-style-type: none"><li>•Inverter technology</li><li>•Control of ventilation</li><li>•Control of heaters of air curtains</li><li>•Remote monitoring &amp; control of AC units</li></ul>	<ul style="list-style-type: none"><li>•T5 lamps</li><li>•Electronic ballasts</li><li>•Remote monitoring &amp; control</li><li>•Lighting zones</li><li>•Photocells</li></ul>	<ul style="list-style-type: none"><li>•Inverter system</li><li>•Motion detector</li><li>•Mechanical elevator without mechanical room</li></ul>

# Results

- Energy saving 32% compared to conventional stores
- Estimated savings: 344.000 kWh/year



# Next steps

GREENSTORE (August 2010)

Stamata - Athens

- “Green” construction
- “Green” electromechanical equipment
- Renewable energy sources

To be continued...

