Automation
Project

System Before

- Lamps lighted for **16 hours/day**

- Only **one central**

- Command for **great blocks**

- **1** workstation **using 1000** Sqm

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Main Needs

Minimize the energy consumption

Economy with maintenance costs
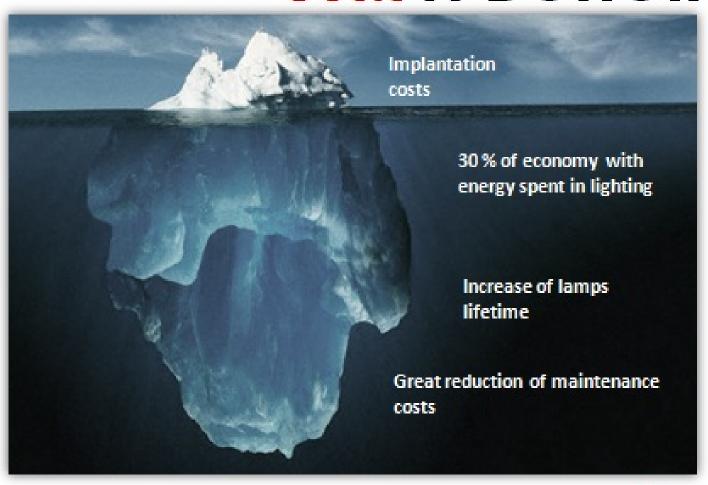
Increase the lamps lifetime

New technologies use

Sustainability

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Costs x Benefits

Implantation costs

30 % of economy with energy spent in lighting

Increase of lamps lifetime

Great reduction of maintenance costs

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Parameters	Without automation	With Automation
Lifetime (hours)	8000	10400
Lamps replacement (months)	24	31
Consumption (KWh/month)	150MWh	105MWh
Savings (R$/annual)	225.700 (US$ 98,992)	

Pay Back: **Less than two years**

Investment: R$ 440,000 (US$ 184,050)

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Conscious Project

Possibility to **conscientize** more than **1500 people** that will **share this** behavior in **other environments**

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