

UPEA SERVICES

Lighting Design

- ◆ Site and street lighting
- ◆ Interior building lighting systems
- ◆ Lighting control systems

Fire Alarm Systems

- ◆ Manual and automatic fire alarm systems
- ◆ Voice message evacuation systems
- ◆ Integration with security systems

Security Systems

- ◆ Intrusion detection and monitoring
- ◆ CCTV
- ◆ Integration with fire alarm systems

Energy Efficiency Engineering

- ◆ Energy analysis of architectural, mechanical, electrical, industrial systems
- ◆ Energy utilization planning and budgeting
- ◆ Energy auditing and energy conservation retrofit design

Alternative Energy Engineering

- ◆ Solar (passive, active and photovoltaic)
- ◆ Cogeneration

Electrical Power Distribution

- ◆ Design of low and medium voltage systems for commercial, industrial and institutional clients.
- ◆ Design of Campus and inter-building distributions systems
- ◆ Electrical system studies including short circuit, over-current protection coordination and load analysis

Communications Systems

- ◆ Design of data/communications systems for single building and campus environments.
- ◆ Fiber-optic data/communication systems

Control Systems

- ◆ Design of control systems for water/wastewater and industrial applications

ELECTRICAL ENGINEERING

Value Engineering Increases Productivity & Performance

