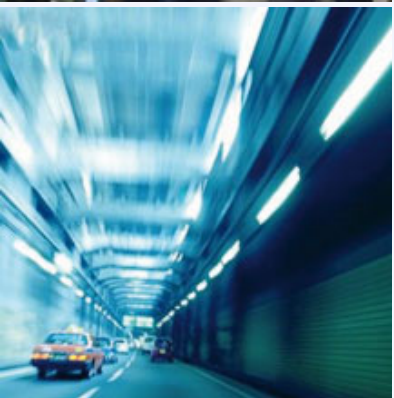


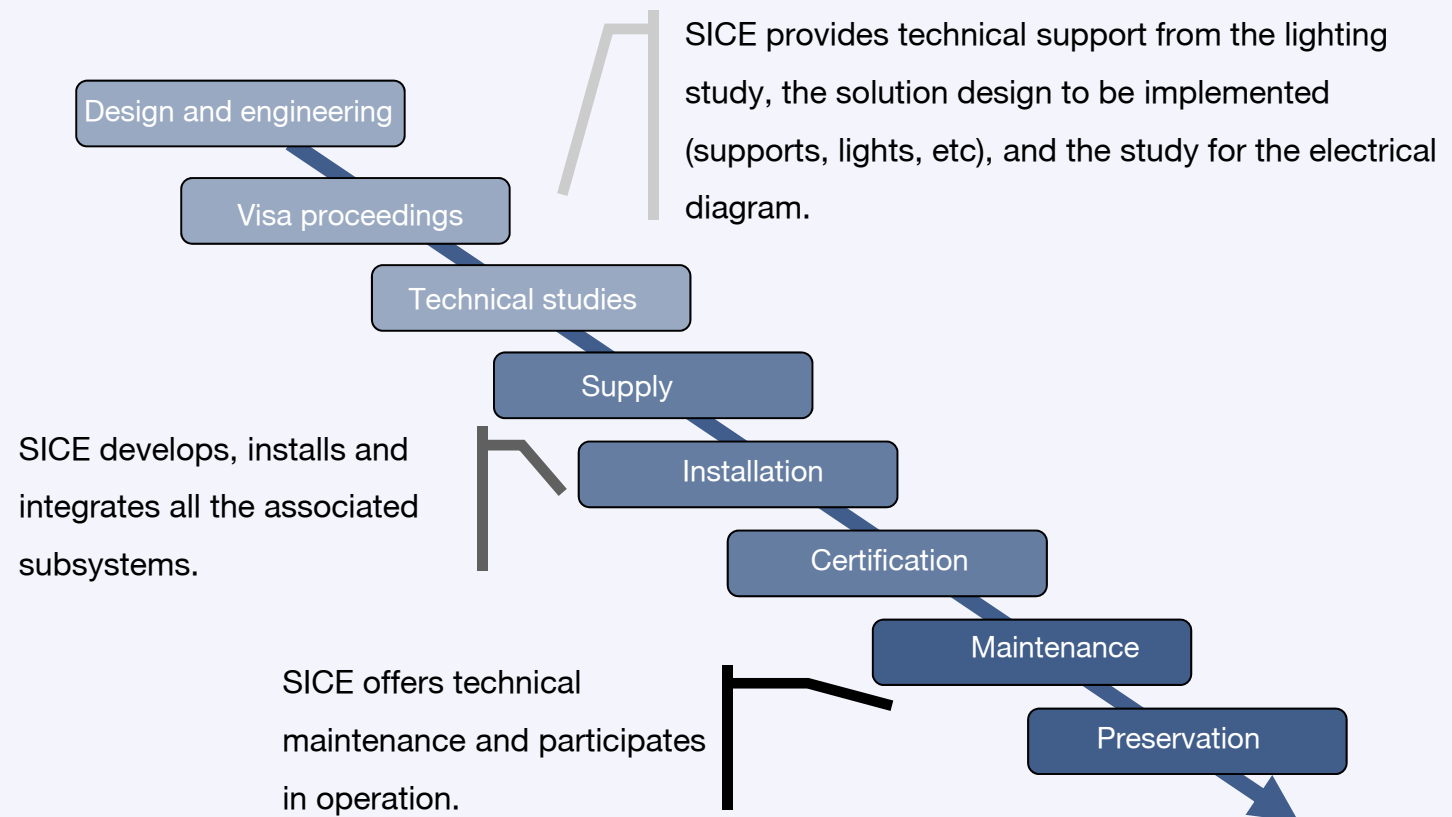
Lighting



Cutting edge technology at your service



## SICE is present at every phase of project development and implementation



SICE deals with long-term contractor services; this includes the first financing stage of the investment.

## Public lighting activities include:

Lighting installations, maintenance and preservation activities that optimize consumption, safety, efficiency and light pollution.

SICE's specialization in installation, preservation and maintenance techniques has been proven to be highly successful. We have been carrying out these types of projects since 1945.

### Installation and maintenance of:

- Urban public lighting
- Ornamental public lighting
- Road and tunnel lighting
- Efficiency and energy monitoring systems
- LED lighting
- Study and optimization of lighting pollution
- Integral management of local command centres



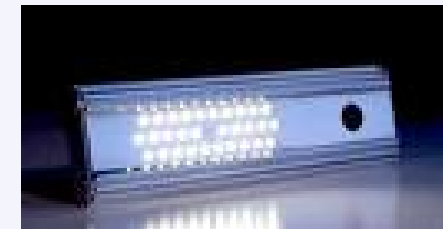
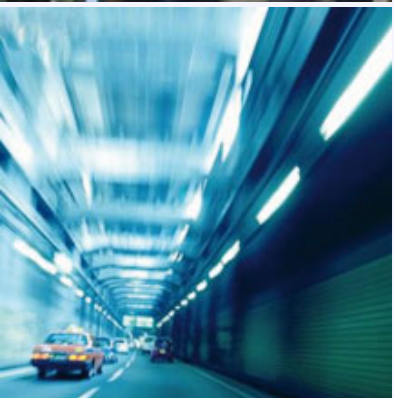
At present, we cover maintenance for more than 180,000 light points. We have worked with more than 800 city councils.



## Energy saving systems

We integrate cutting-edge systems focused on saving energy by using the control and management of efficient energy. These systems have better capacity by sending data to a control centre by SMS, radio, etc..

- Flow reduction through programming
- Voltage stabilizer
- Consumption control and power factor
- Lighting optimization
- Low consumption lights

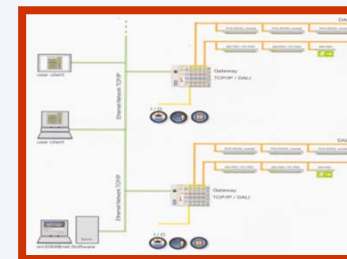


## Lighting centralization

Collection of devices that allow information to be received and to act over the public lighting network from a remote workstation.

- Optimization of working periods
- Energy saving, due to a decrease in lighting at low-use hours, by using voltage stabilizer-reducers.
- The stabilization allows an increase in the number of real working hours of light.
- Control of the light operation time.
- Better quality service, detecting failures or malfunctions in real-time of the network and be able to act quicker over them.
- Improvement of operation and maintenance, allowing several types of reports to be generated according to the information received.

SICE has the largest lighting installation centralized in the Calle 30 tunnels.

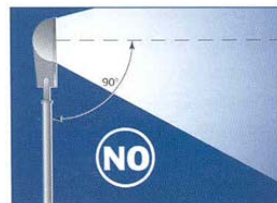
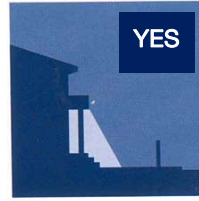
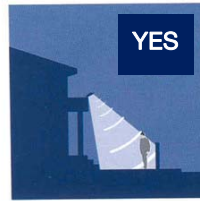


50.000 DALI centralized lights by using 1,100 controllers connected to the Control Centre by TCP/IP



## Light pollution

SICE is aware that, above all, contamination of any type should be eliminated. Inadequate lighting can be very bothersome. SICE will provide consultation on correct and proper use of lighting:



## References and clients

SICE has extensive experience in installation and maintenance projects.

### Public clients

- Infrastructure ministry

### Autonomous region

- SICE has installed and maintained lighting systems in all Spanish autonomous regions

### City councils

- More than 800 city councils.

ALACUAS, ALCANTARILLA, ALCORCON, ALCOY, ALICANTE, ALMENDRALEJO, ALMERÍA, ALTURA, ARAFO, ARONA, BADAJOZ, BARAÑAIN, BENIDORM, BIGASTRO, CÁDIZ, CARTAGENA, CATADAU, CHERA, CHIPIONA, COMARES, EL CAMPELLO, ENGUERA, ESTEPOÑA, FIGUERUELAS, FINESTRAT, FERROL, FUENGIROLA, GRANADA, GUADALAJARA, IRUN, LA ELIANA, LA OLLERIA, LA UNION, LLIRIA, LOGROÑO, LOJA, MADRID, MANRESA, MIRANDA DE ARGA, MOGAN, MURCIA, PALENCIA, PAMPLONA, PARLA, PIZARRA, PLASENCIA, POBLA DE VALBONA, PUNTA UMBRÍA, QUART DE POBLET, RINCON DE SOTO, RIVAS VACIAMADRID, ROTA, SAN SEBASTIAN DE LOS REYES, SAN AGUSTÍN DE GUADALIX, SAN JAVIER, SAN LUCAR DE BARRAMEDA, SAN SEBASTIÁN DE LOS REYES, SAN VICENTE, SAN CARLES DE LA RÁPITA, SANTA BRIGIDA, SANTA COLOMA DE GRAMENET, SANTA MARIA GUIA, SORIA, TOUS, VITORIA-GASTEIZ. ACSA, AGBAR, CONSTRUCCION, S.A., AENA BARAJAS, ACURREZABAL, ALBACERÁMICA, ALCUBA, S.A., API, ARPEGIO, ASFALTOS NATURALES CAMPEZO, AUDENASA, AUMAR, CABILDO GRAN CANARIA, CEY, CLEOP, COMUNIDAD AUTONOMA DE MADRID, COMUNIDAD AUTONOMA DE MURCIA, CONSELL COMARCAL DEL RIPOLLES, CONSEJERIA DE OBRAS PUBLICAS Y TRANSPORTES SEVILLA, CONSTRUCCIONES ALPI, CONSTRUNAVAR, COPALSA, D.G. ASFALTOS S.A., DELTA AGRICOLA, DEPARTAMENT POLITICA TERRITORIAL LLOBRES PUBLICUES, DIPUTACION DE CORDOBA, DIPUTACION DE CONDOBA, DIPUTACION DE SEVILLA, DIPUTACION FORAL DE GUIPUZCOA, DIPUTACION PROVINCIAL DE ALICANTE, DRAGADOS, EPSA-SALAMANCA, ELECTROMUR, S.A., ELSAN-PACSA, EMVIPSA, ENCOVAL CONSTRUCCIONES, ENERGIA Y CONSTRUCCIONES, ENTE REGIONAL DE LA ENERGIA, ESPINA OBRAS PUBLICAS, EUGENIO ESTRADA S.A., FCC S.A., FERROVIAL AGROMAN, GEZOINSA, GENERALITAT VALENCIANA (C.I.T.), GENERALITAT DE CATALUNYA, GENERALITAT VALENCIANA, GERENCIA URBANISMO, GISA, GOBIERNO DE NAVARRA, HORMIGONES MARTÍNEZ, S.A., I.S.O., IBILBIDE, INABENSA, JOSE MARTIN, S.A., JTA, POLIG, S. ANTONIO, M.O.P.U. CARTAGENA, MADRID CALLE 30, MANCOMUNIDAD MUNICIPIOS COSTA SOL, MARITIMA VALENCIANA, MINISTERIO DE FOMENTO, MOVITER, NOI, OBENASA, OHL, PADENASA, PAVASAL EMPRESA CONSTRUCTORA, PARQUE TECNOLÓGICO SAIZAMUDIO, PENINSULAR CONTRATAS, UNION FENOSA, UTE RADIALES (MADRID), SACYR, SAGULPA, SANDO, SEDESA, SOCIEDAD ESTATAL DE PROMOCION Y EQUIPAMIENTO DE SUELO (SEPES), SOCIEDAD PARQUE TEMATICO DE ALICANTE, SOCOIN, TALLER, S.A., TECSA, TRAGSA, UNION FENOSA, S.A., UTE- DISEL-SICE-SAINTRASA, UTE IBARREKOLANDA (BALZOLA, ERAIKER, CYCASA), UTE LOS PANTANOS, UTE MEJORA REGADIOS CAMPO DE CARTAGENA 2ª FASE, UTE PLAZA VEEDOR, UTE R-3, UTE SUPRESION DE PP.NN ALTEA, AZVI-COPCISA, UTE TAFIRA, UTE URB. SECTOR D-6 EN BIGASTRO, UTE PARACUELLOS, VIAS Y CONSTRUCCIONES, PAU DE VALLECAS