

#### **Company Profile**









- Founded in 2011 with a registered capital of 271.99 million US dollars, Kaistar Lighting (Xiamen) Co., Ltd. is positioned as a leading enterprise in the LED patented device industry and an important supplier of semiconductor power devices.
- Kaistar has two international well-known LED brands "Bridgelux" and "Internatix". Our business scope covers the R&D, sales and manufacturing of LED epitaxial chips, packaging (SMD, COB), phosphors, power devices, OEM lighting and other products. We have the capability to provide the best solution for our customers with the collaborative R&D of upstream and downstream.
- With the total assets of 4 billion RMB and net assets of 1.9 billion RMB, Kaistar has 87 MOCVD equipment, 8 COB packaging lines, and 31 SMD packaging lines.



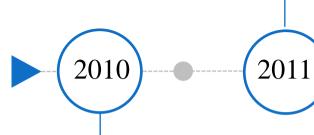


# **Company Profile – Milestone**

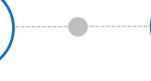


The company was registered and established, and the foundation stone of the plant was officially laid.

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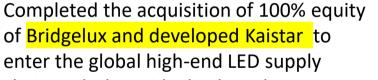
CEC and EPISTAR signed an investment agreement with Xiamen Municipal Government.



All 30 MOCVDs in the first phase were put into production

2014

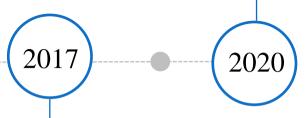
- Signed an investment agreement with Xiamen Municipal Government for phase II 60 MOCVDs
- Obtain the national high-tech enterprise certification.



2016

chain with the Bridgelux brand.

- Restructuring for Bridgelux and Intematix .
- Promote the strategy of maximizing the value of Bridgelux and leverage synergies with Intematix.



- Introduce Wuxi Guolian to invest in Kaistar as the actual controller, laying a foundation for the company to enter the capital market.
- Complete the acquisition of 100% equity of Internatix and strengthen industrial chain coordination.





#### • High starting point for the development and production of epitaxial wafers and chips

With Bridgelux's leading LED chip and packaging patent technology, it quickly opens up the international high-end market. It has undertaken many national, provincial and municipal funds and science and technology plan projects. It has more than 1,000 patents on the epitaxial wafer, chip packaging, application, phosphor and etc. The products can be sold worldwide without patent risk by the patent cross-authorization.

#### An enterprise technology center more than 80 million RMB investment

The technology center equipment and personnel office area is more than 2,000 square meters. Currently, it has a professional high-quality technical team composed of more than 150 staffs. We have established a sound quality management system which has passed IATF16949, ISO9001, QC080000, ISO14001, ISO45001, integration management system, CE and other certifications. We has set up LM80 testing laboratory, reliability laboratory, Failure analysis laboratories and calibration/standard parts laboratories which can provide internationally recognized product certification and is the second laboratory with international certification qualifications in China.









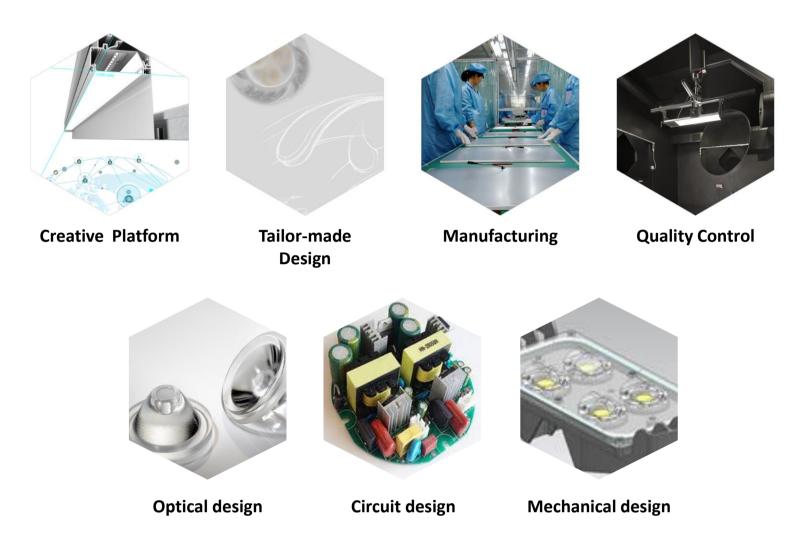
- The company is a national high-tech enterprise and Xiamen future industry backbone enterprises.
- With a Fujian Province enterprise technology center and a Xiamen city enterprise technology center, Kaistar is the provincial leading enterprise of the industry and information technology in Fujian province, as well as the demonstration project for the west coast of the strait cooperation with Taiwan. We are also the two key projects for Fujian province integration. We won the top 100 of the Fujian province strategic emerging industry enterprises and Xiamen top 100 enterprises.
- The company's products won the 2020 American Lighting Exhibition Innovation Award, and won the "China LED Pioneer Gold Award" and "China's TOP 10 LED Industry Brands" repeatedly.





### **Professional ODM/OEM Services**





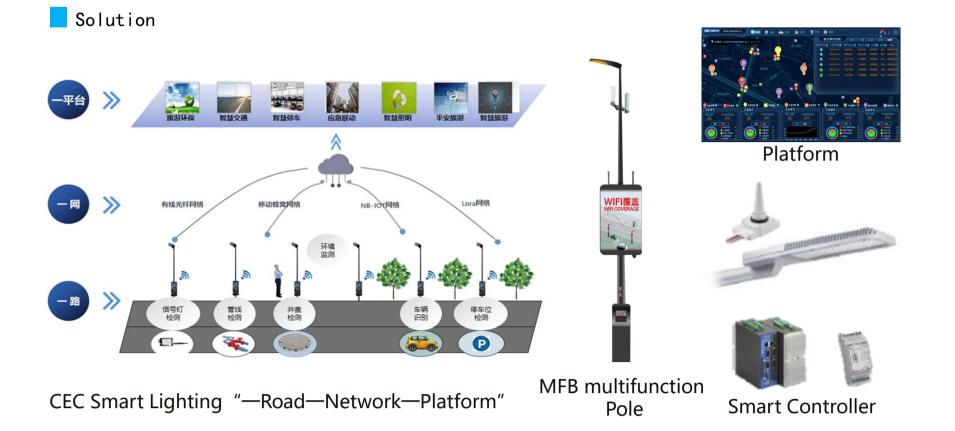


## **Professional ODM/OEM Services**

#### KAISTAR

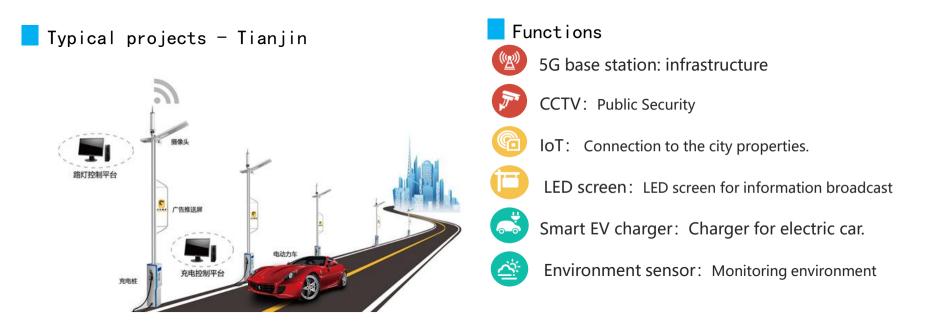






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#### **Products**







### **LED production line**

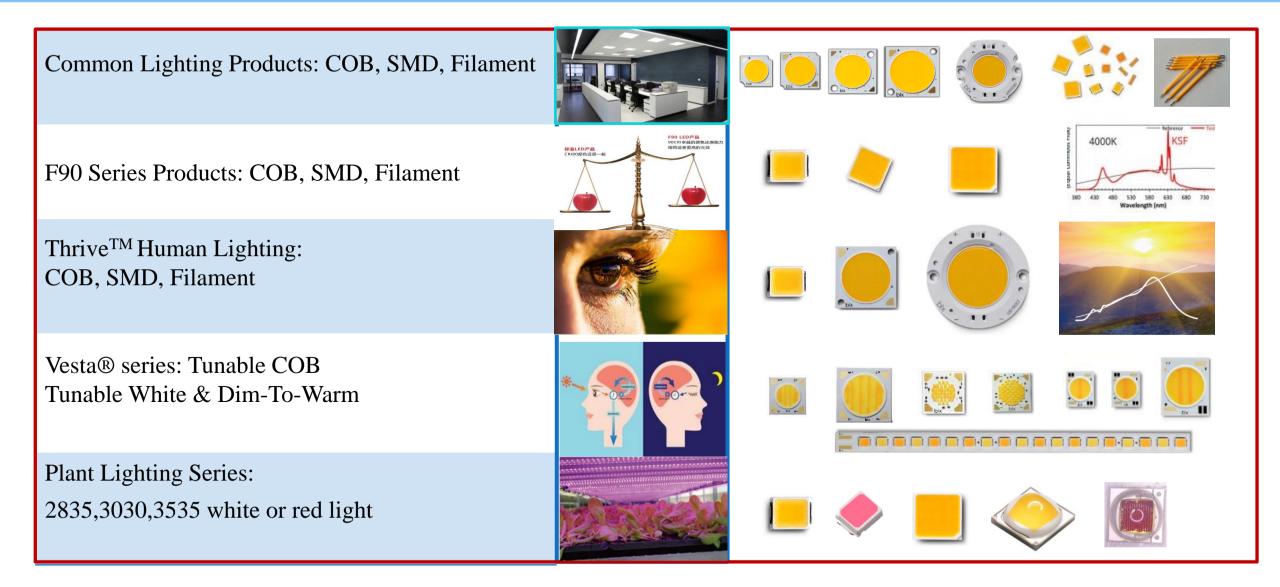






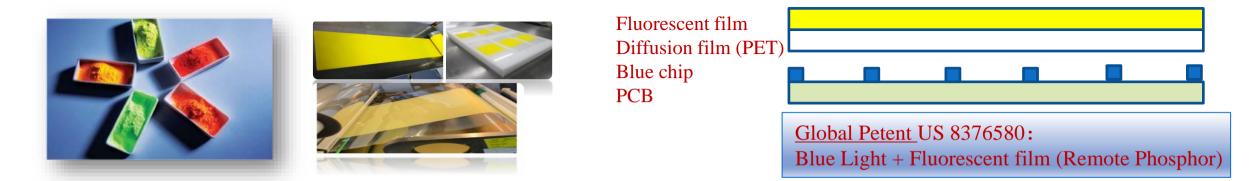
#### **Business Lines – LED Packaging**







- With efficient and core patents as the world's leading supplier of LED professional phosphors and phosphor solutions,
  Internatix phosphor market share ranks first in the world.
- Major supplier of global LED brand companies (Cree, Osram, SSC, Samsung, Lumileds)
- The main products include silicates, aluminates, nitrides and remote phosphors, KSF, NBR, NBG and other highendemic, high-efficiency phosphors and fluorescent films.
- ➤ KSF high CRI products with high light efficiency developed by own patented technology.





# **LED Lighting & Partnerships**







#### **Assembly Factory Facilities**







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#### **Quality Assurance Laboratory**

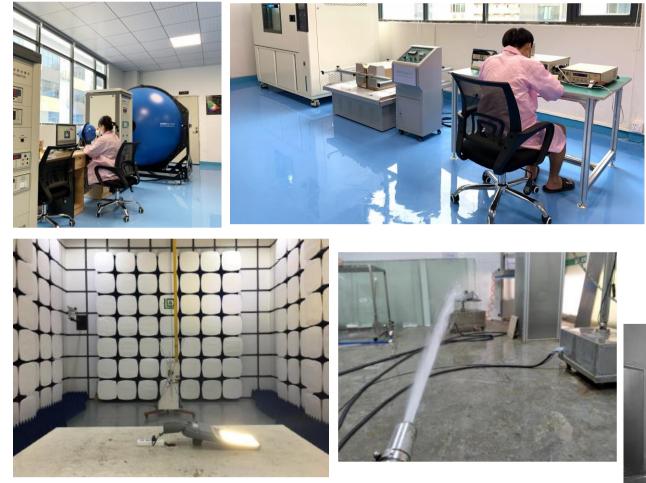






### **Testing/ Laboratory Facilities**







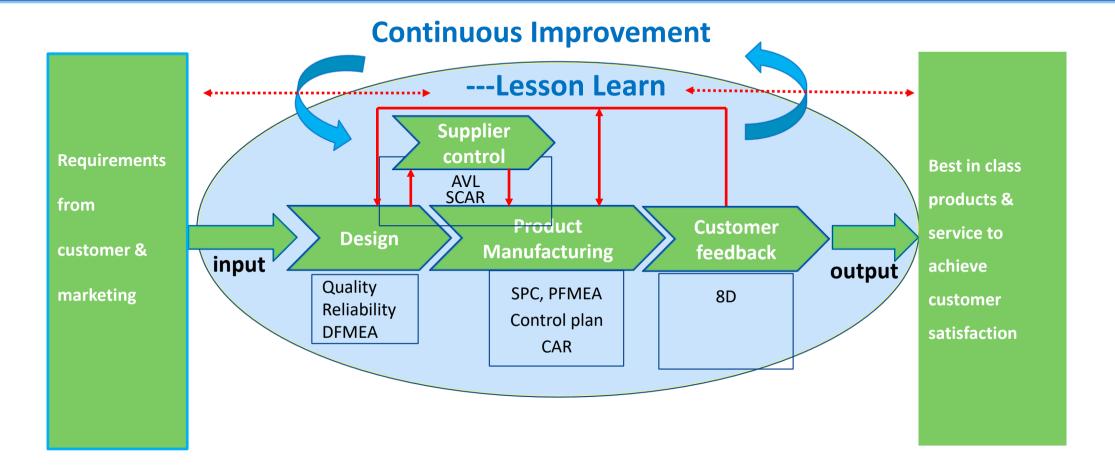




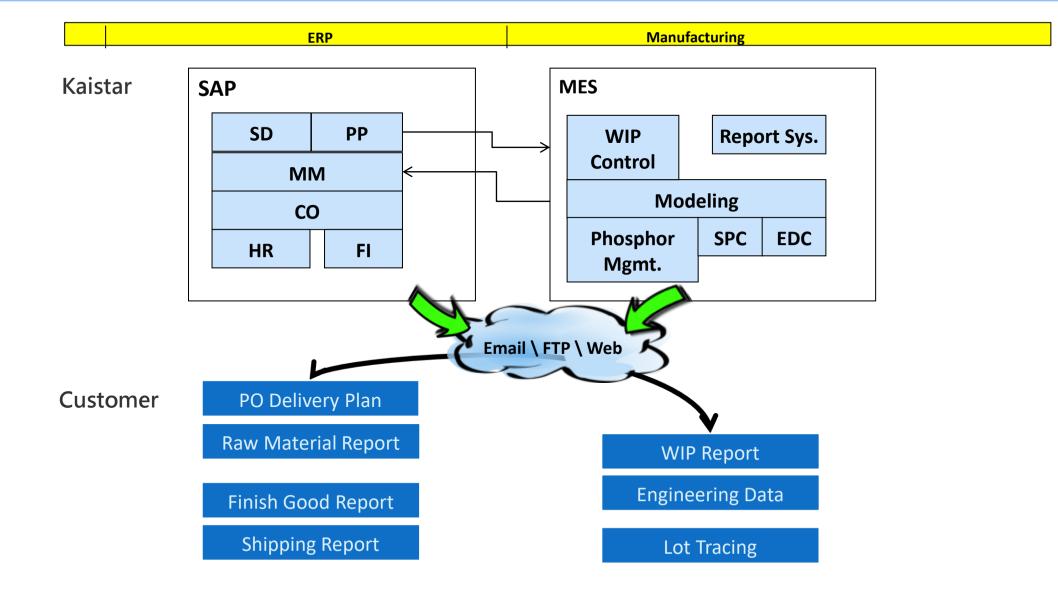


### **Quality Management System**







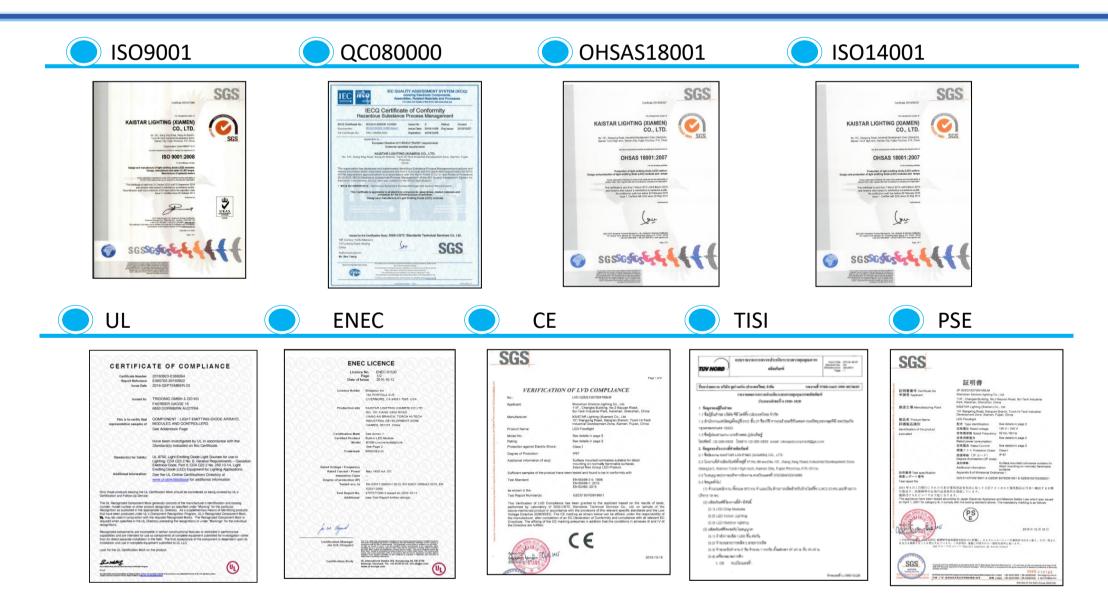


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# **Quality Certificate**

#### KAISTAR





### **EMC Street Lighting Projects**



Through an EMC contract, CEC installed more than 40,000 streetlights in Shenzhen, Shantou, Guiyang, & Guangzhou. CEC is also a major contractor for the Street Lighting in Yuxi, more than 60.000 solar streetlamps installed in Yuxi City alone, covering more than 5,000 villages. CEC built and installed more than 10,000 sets of Smart street lighting systems in Shantou, Guiyang and adjacent cities.





#### Smart Solar Light project in Saudi Arabia.

#### **Customized Solutions**

- ✓ Take advantage of local sunshine, customized
- ✓ Smart solar street light solution
- ✓ Effectively monitor solar panels and batteries.
- ✓ Supplied intelligent platform with remote management with auto-alarm system



3Ei







China's most comprehensive and large-scale Smart City Lighting case, the National Development and Reform Commission & National Energy Conservation Center recommended case

#### **Customized Solutions**

- ✓ 3 customized smart light solutions for road lighting, tunnel lighting and landscape lighting.
- ✓ One platform with 3 sub-system to control all these 3 application with daily needed function.





CEC/SED and Philips joint project: The Shenzhen Tencent Building, Kunming City landscape lighting upgrade, Leshan Three Rivers Six Banks, Shantou Lushi Bridge and in Guangzhou, the two sides of the River and other landscape landmark projects to provide complete and Smartt lighting fixtures and systems.





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Energy-saving renovation project of Economic Belt on The Silk Road, the largest IOT Smart street light project in western China.

#### **Customized Solutions**

- Multi-protocol LCU and CCU system to offer stable and fast response system.
- SaaS-based big data platform supports management of Smart solar streetlights system, emergency command & communication terminal and mobile monitoring



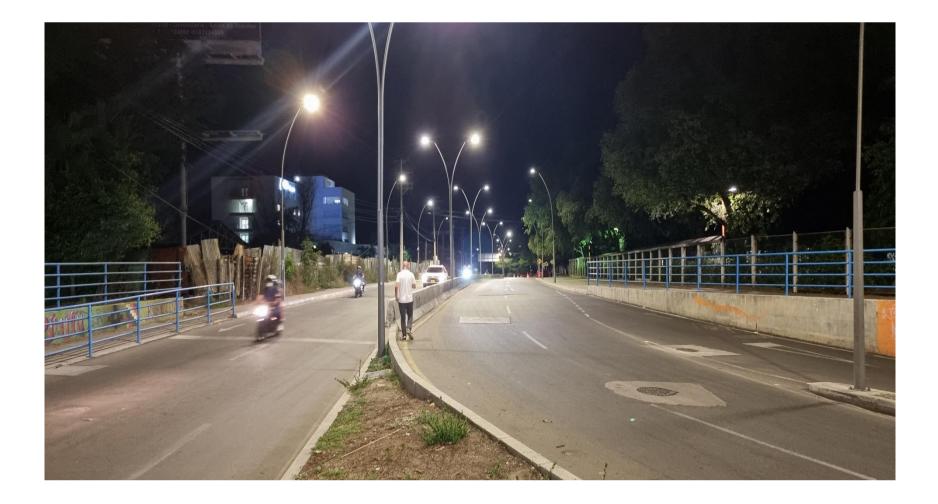




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# The world's longest and China's 1st highway Smart streetlight transformation project.

#### **Customized Solutions**

- ✓ High efficiency LED Light+PLC LCU and CCU.
- ✓ IoT comm powerful platform to enable remote on/off/ dimming according to time, environment light level, real demand.
- ✓ Auto-alarm notice, status and data checking







#### **Bangladesh nation-wide benchmark smart lighting project**

#### **Customized Solutions**

- ✓ Replace traditional light to LED light.
- $\checkmark\,$  With PLC Smart solution.
- ✓ Supply platform to control remotely on/off, dim, grouping, schedule setting and with alarm system



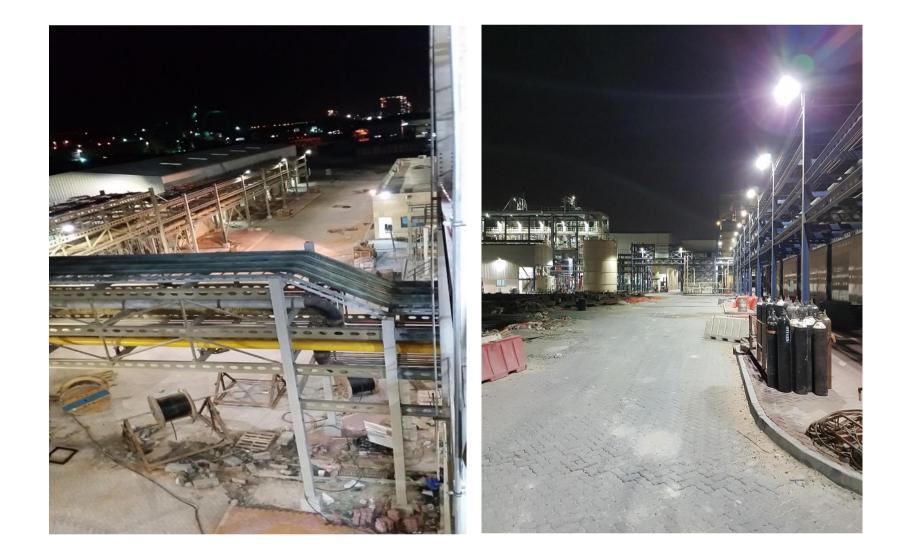






#### **Al Gaith Chemical - Abu Dhabi**

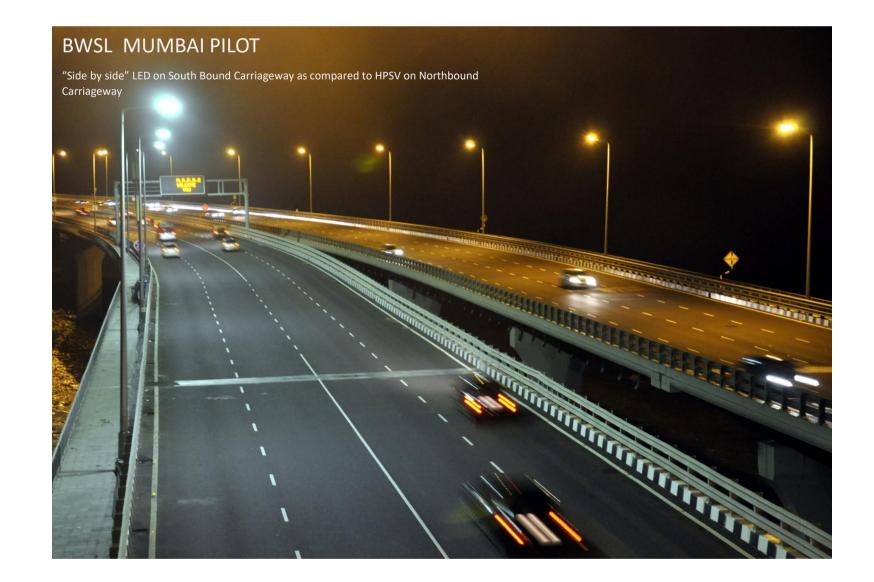






### **BWSL** Mumbai







#### EPC Project in Georgia(2018) New East-West Highway (Silk Road)







### **Georgia Highway Lighting - EPC**







### **Georgia Highway Lighting - EPC**







### **Georgia Highway Lighting - EPC**





#### **Thank You!**





