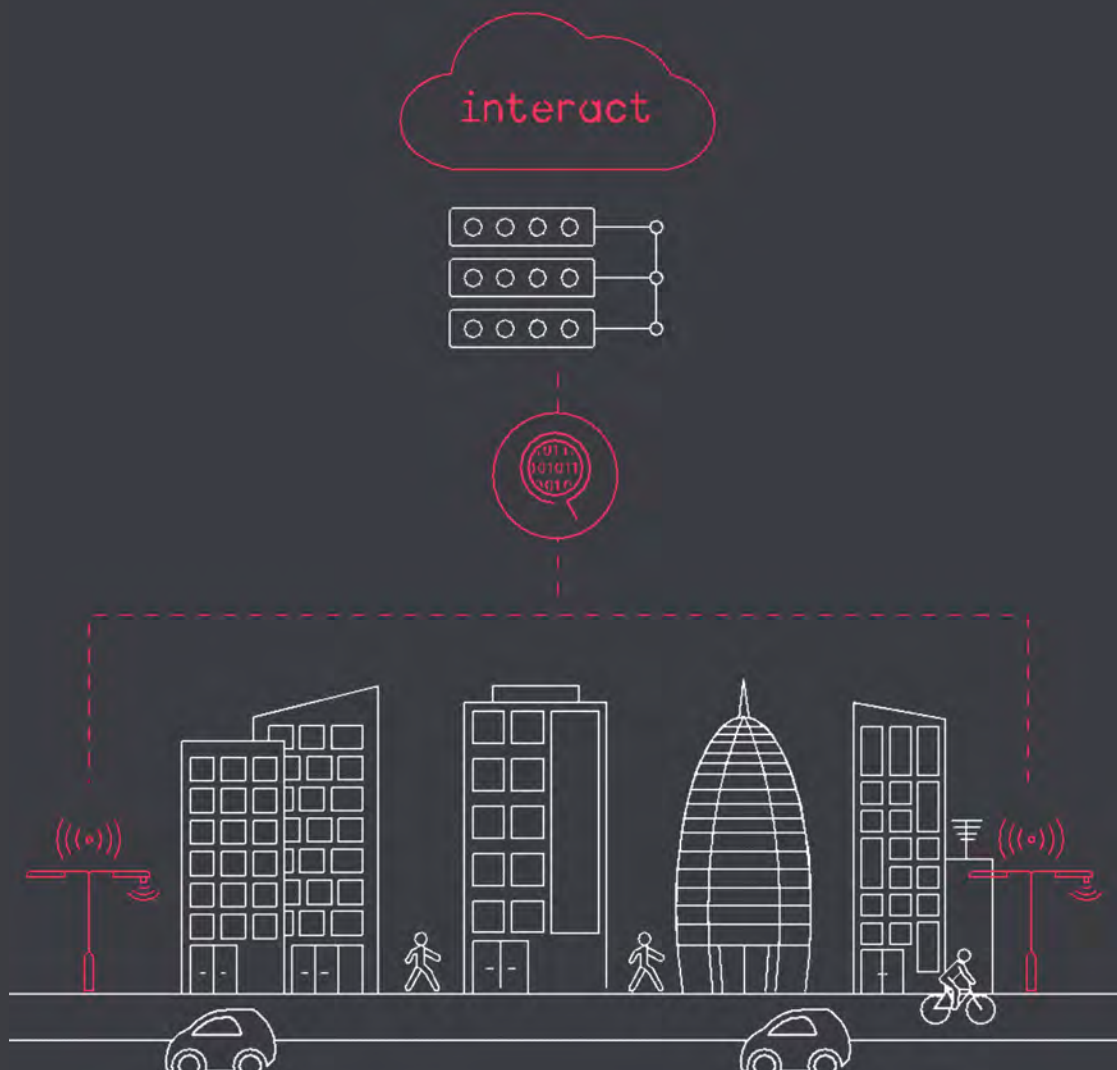


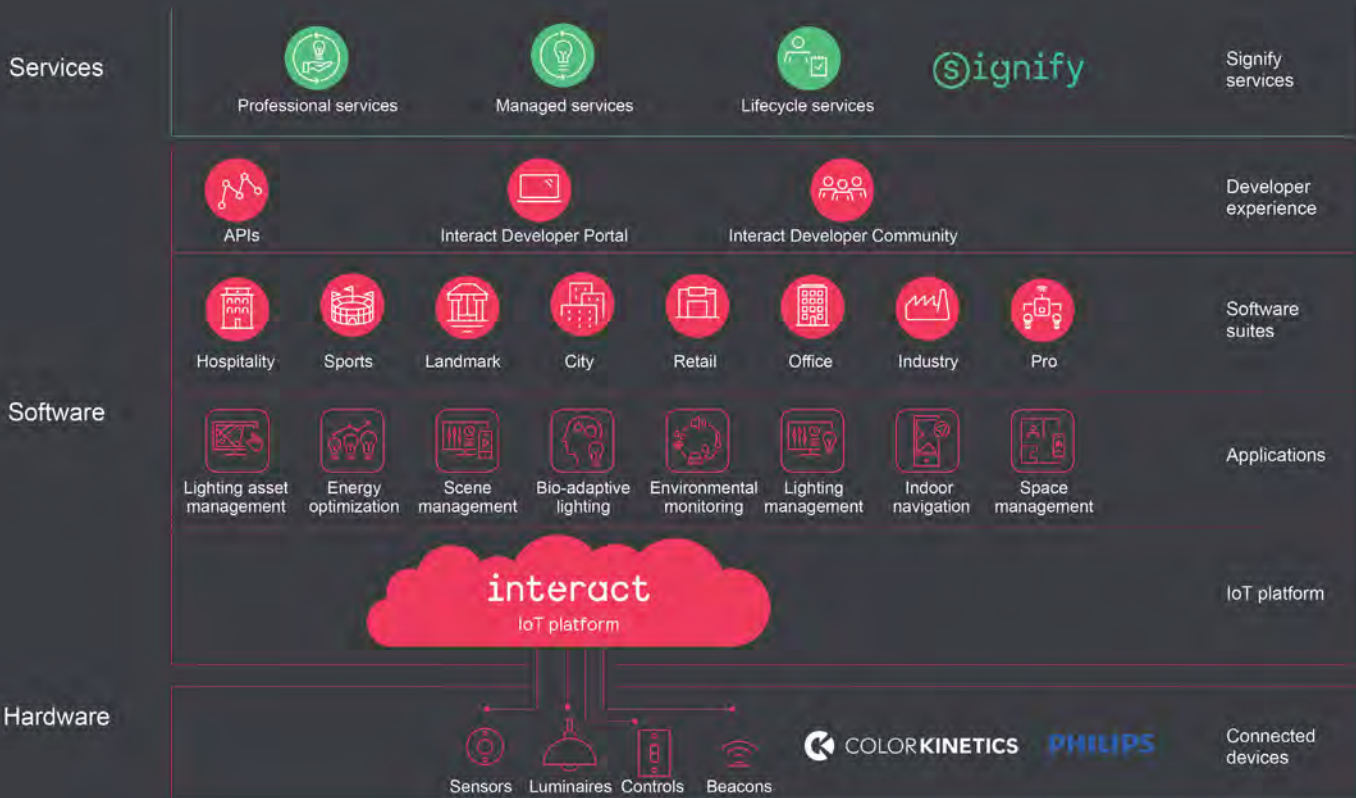
# Interact is . . .

## connected lighting software and systems for the IoT

Interact . . .

- offers a portfolio of tailor-made IoT lighting software suites for Signify, covering a range of professional application areas
- works with connected luminaires, sensors, and other connected devices
- allows businesses and cities to intelligently monitor and manage their lighting centrally and remotely
- gathers and shares data about lighting system operations and the professional spaces that those systems illuminate
- collects, stores, and analyzes lighting system and sensor data for deep, actionable insight
- brings connected lighting systems and data together with other intelligent building, smart city, and Internet of Things solutions



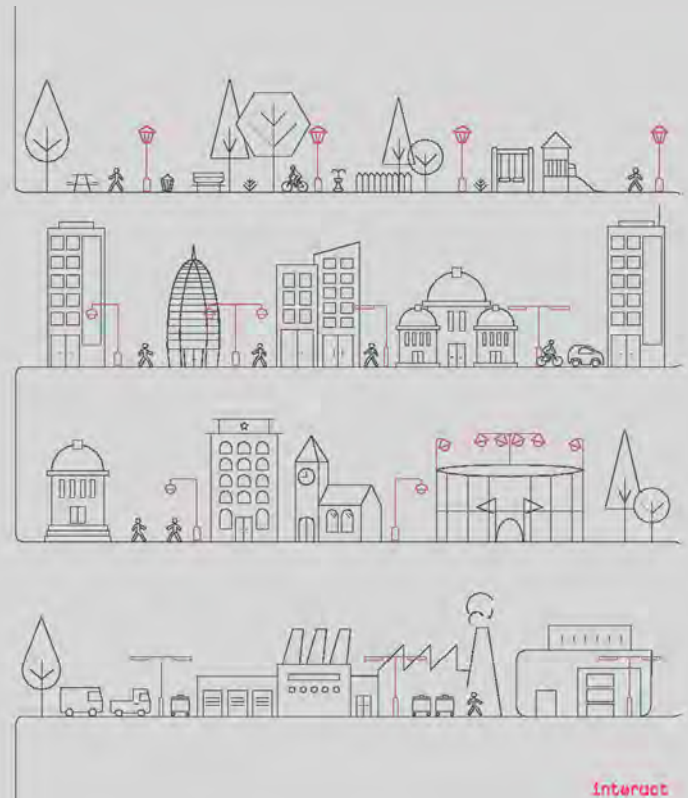


**Road & Street**  
Interact in smart cities  
What can it do?

Interact is a connected lighting system and management application that enables you to remotely manage, monitor and control all of your city's lighting, including:

- Roads and streets
- Pedestrian sidewalks and crossings
- Bridges
- Parks and plazas

With Interact, you can optimize operations of your city's lighting assets, integrate with other software to control lighting, gather data, support incidents and, with data enabled services, incorporate many optimization possibilities that translate into saved money for reinvestment in the future.



Interact

# Interact in smart cities



**Reduce lighting energy consumption**  
Up to 80%



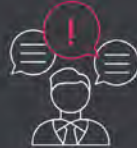
**Achieve sustainable operations targets**  
Up to 80% reduction of CO<sub>2</sub> emissions



**Optimize operations**  
Improve efficiency up to 50% with effective maintenance planning and in-depth knowledge of all asset information



**Reduce downtime of luminaires**  
Less than 1% downtime with real-time fault detection and fast resolution responses



**Reduce citizen complaints**  
Track 100% of issues and resolve them before complaints are reported



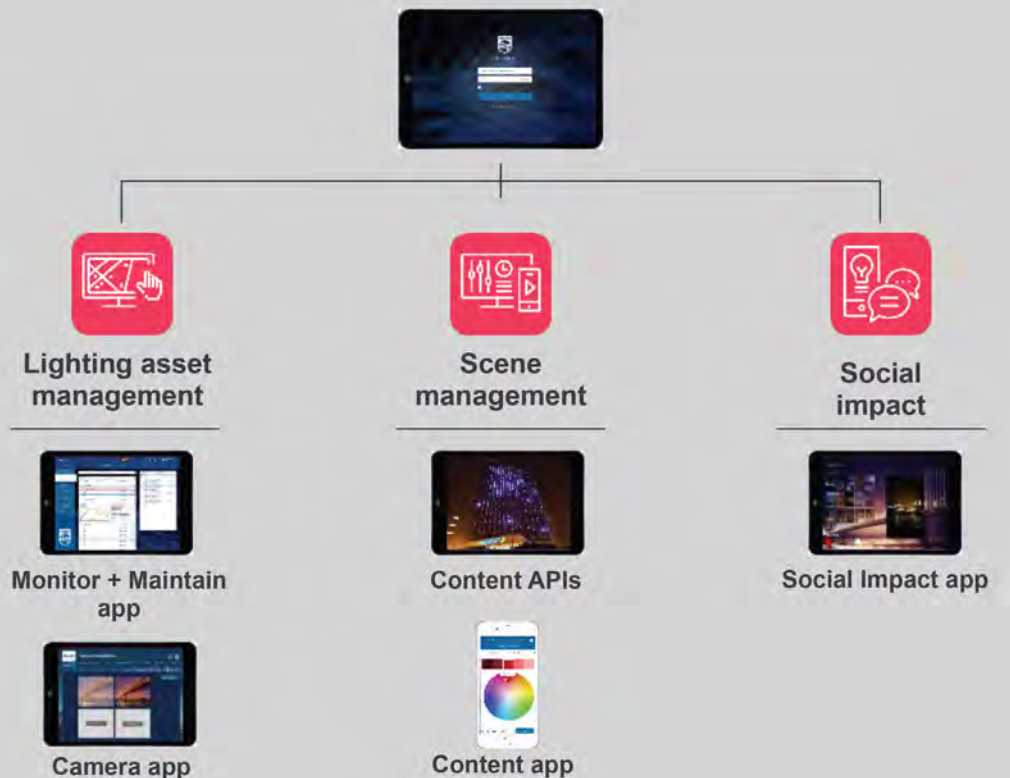
**Improve traffic and pedestrian safety**  
Better lighting reduces crime by up to 20%, and road accidents by up to 30%



**Protect data and against unauthorized usage**  
Signify is certified to IEC62443-4-1 security certification and ISO27001

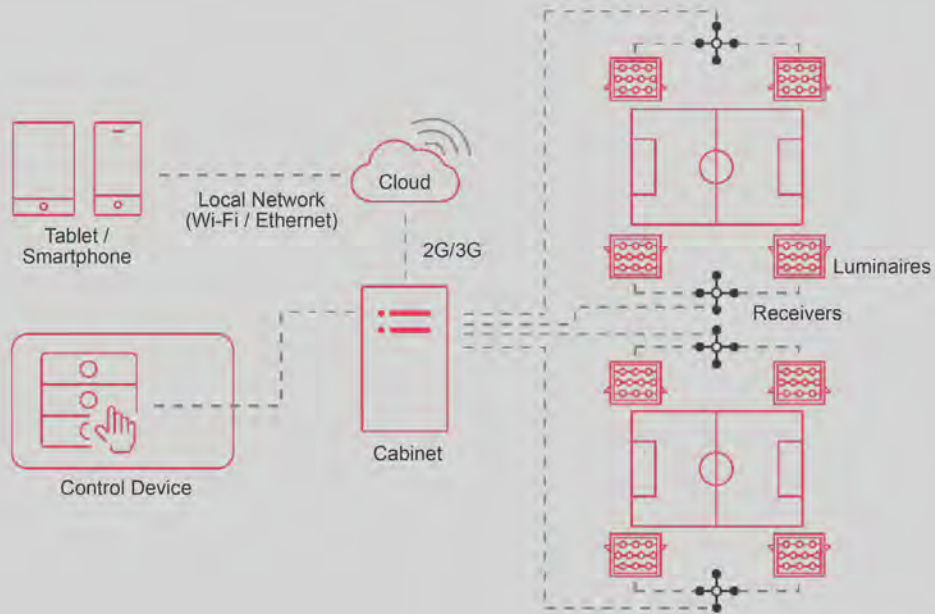
## Interact Landmark Benefits and System Architecture

- A connected lighting software for the architectural lighting of monuments, bridges and buildings facades
- Intuitive apps and dashboards that make it easy to:
  - Manage lighting assets
  - Manage scenes
  - Measure impact
- Trusted, experienced partner
- Best lighting system & performance
- Proven, reliable systems



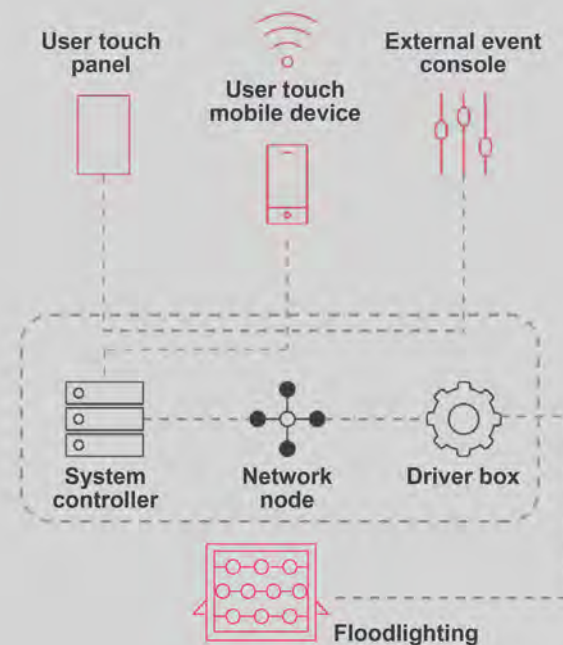
## Interact Sports (recreational) Benefits and System architecture

- Enables ease of lighting management and improved quality of light
- Reduces energy cost and improve operational excellence
- Creates potential new revenue streams
- Compliant with national regulations and standards
- Offers Smart City and integration options
- APIs are accessible through the Interact Developer portal



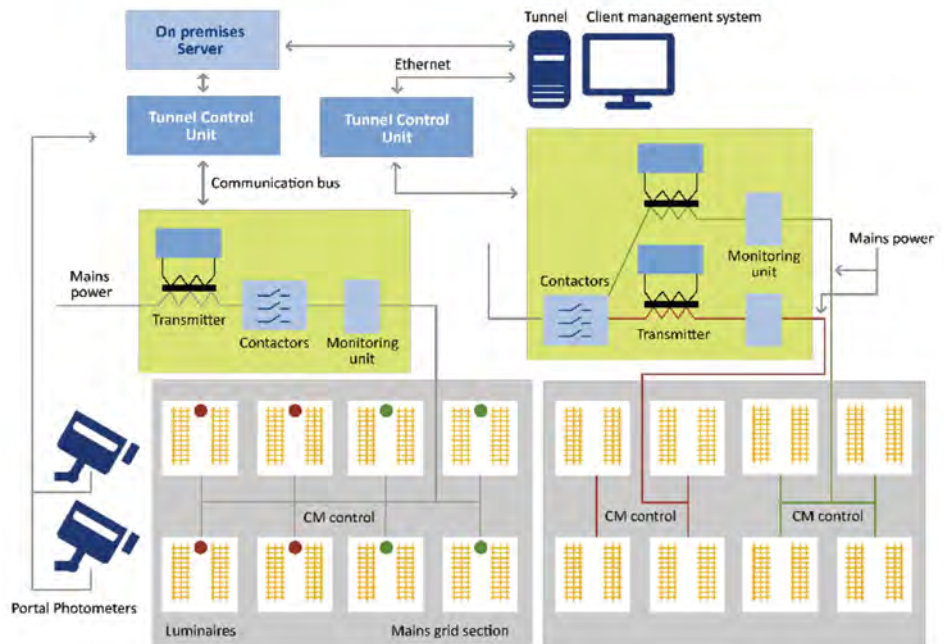
## Interact Sports (professional) Benefits and System architecture

- Ease of light management across the entire venue
- Offering a consistent end to end experience for fans
- An intuitive set of dedicated dashboard and software applications (Lighting management, Scene management and Bio adaptive lighting)
- Can help extend the game day and increase fan engagement
- Can help generate more revenue through attracting more sponsors and enabling the venue to host different types of events



## Philips BaseLogic Benefits and System architecture

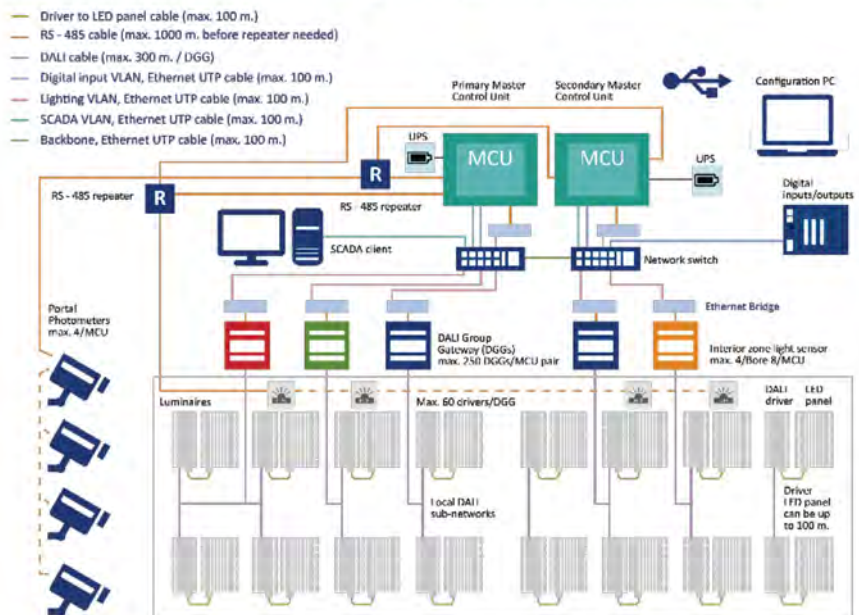
- Dedicated system solution designed for refurbishment, no new wiring required
- Suitable for short underpasses, short and long tunnels
- Cost effective system
- Easy setup process
- One-way communication protocol resulting in a robust, interference free controls system
- Compatible with Philips LED tunnel luminaires



## Philips TunneLogic Benefits and System architecture

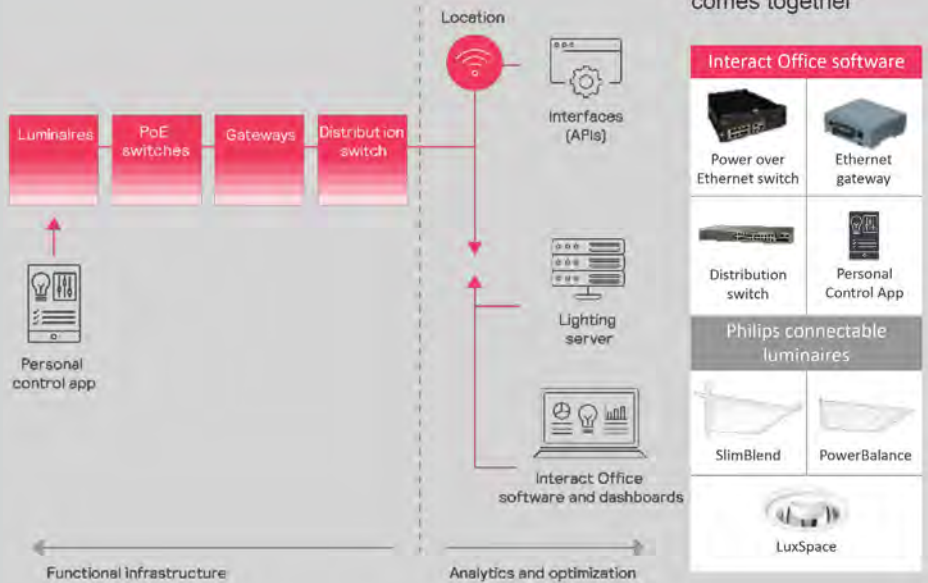
- Providing redundancy options
- Group control enabling easy commissioning
- No additional components in the luminaires
- Integration in SCADA
- Basic integration of guidance and architectural lighting

### Ethernet VLAN based tunnel management system with MCU redundancy



## Interact PoE Wired Newly build

- **Power over Ethernet (PoE)** technology is one of the **key avenues** of connected lighting systems that can help buildings be smarter and more efficient.
- Ideal for retrofitting, for office owners and tenants that recognize the advantages of connected technologies.



How the connected lighting system comes together

## Pro system

- One scalable system consisting of 3 tiers
- The foundation tier offers you a solid basis of cost effective, code compliant energy saving lighting
- If you (or your tenant) are eager on benefiting from connected lighting use cases right from the start or somewhere soon, you can easily opt for more

Sustainability Focused

Beyond Sustainability

	Foundation	Advanced	Enterprise
Sensor/switch control	✓	✓	✓
Scenes	✓	✓	✓
App control owner	✓	✓	✓
Personal control users		✓	✓
Scheduling		✓	✓
Energy reporting		✓	✓
Off-site control		✓	✓
Diagnostics (off-site)		✓	✓
Feature updates		✓	✓
Multi-site dashboards on energy and occupancy data			✓
Space management web application			✓
Productivity mobile application			✓

## Interact Retail

- Scene management for stunning and flexible retail spaces
- Energy optimization to decrease operational expenses
- Lighting management to manage and monitor your lighting
- Indoor navigation providing location-based marketing opportunities
- Location analytics to understand shopper flows in the store

These software applications are available for local stores as well as headquarters (HQ). For the HQ application software can be offered on premise or in the cloud.



Scene management



Energy optimization



Lighting management

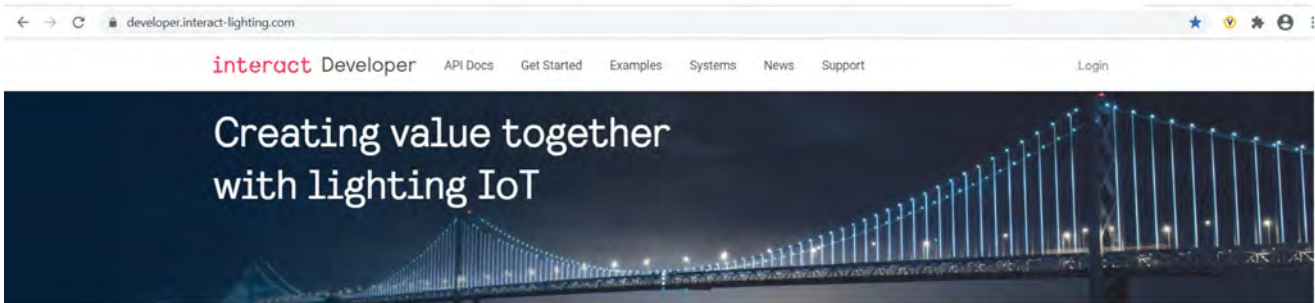


Indoor navigation



Analytics

# <https://www.developer.interact-lighting.com/>



## Interact APIs

View all 

Learn how you can leverage our connected lighting APIs



### Light Control

Light Control APIs allow you to retrieve and set light level and CCT for individual and grouped luminaires. In addition, you can adjust lighting using preset levels.



### Data Access

The Data Access API enables you to view and analyze sensor, energy, and alert data from an Interact Office [Wired] connected lighting system.

### [Interact Developer Portal](#)

CSIs can leverage the Interact Developer Portal to access APIs and get full access to API documentation, API sandboxes, and more features on this site.

CSIs will use this account to create apps and test Interact APIs.

Extensive roadmap to further build out the developer experience portal and create a community, sample code and applications, etc. in 2021 and beyond

<https://www.developer.interact-lighting.com/>

