

LED UVGI Air and Surface Disinfection Solution

Protecting The Workforce In The Manufacturing Sector



ABOUT THE CUSTOMER

Manufacturing companies in Penang have been ramping up on the disinfection effort for their business premises ever since there were reported COVID-19 clusters in the manufacturing sector in Penang. An electronics manufacturing company in Bayan Lepas, Penang, has also saw the urgency and had made the wise decision of installing Ecospark's LED UVGI (UV-C) Surface Disinfection Solution.

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Our customers' demand has been growing tremendously as the economy is reviving. Manufacturing activities cannot be jeopardised as we have a responsibility to fulfill our orders. We cannot afford any major downtime caused by infections among workers.

”

Mr. KL Lim,
Operations Director of Opulent Solutions

CHALLENGES & SOLUTION

There have been numerous reports on COVID-19 outbreaks in the manufacturing sector throughout Malaysia since the onset of the pandemic, even the world's biggest medical-grade glove-maker were not spared. This manufacturing giant suffered a disastrous drop of 7.48% in their share price after their factories became the biggest COVID-19 cluster in the nation.

A factory will suffer great loss if an outbreak happens, as the progress of production will be greatly affected by the all the mandatory preventive measures put in place, for example, reduced workforce and shut down of operation facilities.



To avoid such significant consequences, our customer, Opulent Solutions, started to source a reliable disinfection solution designed for factories.

The electronics manufacturing company found that the canteen area and staff toilets pose the most risk of virus infection as these are areas that could potentially be occupied by large groups of employees with masks-off at the same time. Hence, Ecospark's LED UVGI (UV-C) Surface Disinfection Solution was installed at the canteen and at both male and female staff toilets in the factory.

As the production area is also frequently occupied round-the-clock to meet the business needs, Ecospark's LED UVGI (UV-C) Air Disinfection Solution was installed in the production area to provide clean indoor air twenty-four-seven.



6.0 inch
Surface UVGI unit

LED UVGI (UV-C) **Surface Disinfection Solution**

During the first stage of the project, simulation was done by the technical experts of Ecospark's according to the layout plans of the areas involved, with the aim to achieve maximum effectiveness of the LED UVGI (UV-C) Surface Disinfection Solution. Ecospark's has successfully completed the installation of 26 units of surface disinfection unit in the canteen of the factory, and 4 units each in the male and female staff toilets.



Air UVGI Unit

LED UVGI (UV-C) **Air Disinfection Solution**

Three units of Ecospark's LED UVGI (UV-C) Air Disinfection Solution were installed in the production area of Opulent Solutions. This solution creates good indoor air quality by continuously disinfecting warm air that rises to the upper room area, even when the room is occupied. The staff are now protected from harmful viruses and bacteria including COVID-19 as they work in the production area.

CONCLUSION

Our customer understood that deploying a professional disinfection solution in frequently-used spaces such as canteens, toilets and production areas is an extremely crucial measure to protect the employees of the company against virus infection. Knowing that the facilities that they use are disinfected daily has also reduced the mental stress among the employees.

As compared to other industries, the manufacturing sector could potentially face more risk as many manufacturing companies house their staff in dormitories with high densities. Hence, professional disinfection solutions are necessities that should be deployed.

Employee safety has always been a priority of manufacturing companies, but this has taken on a new significance in light of the pandemic.



食堂将在以下时间关闭以进行消毒工作。

No.	Day / Hari / 日	Start / Mula / 开始	End / Tamat / 结束	Duration / Jangka Masa/ 为期
Slot 1	Monday – Saturday Isnin – Sabtu 星期一至星期六	4:00AM	5:00AM	1 hour / jam / 小时
Slot 2	Monday – Saturday Isnin – Sabtu 星期一至星期六	2:30PM	3:30PM	1 hour / jam / 小时
Slot 3	Monday – Saturday Isnin – Sabtu 星期一至星期六	9:00PM	10:00PM	1 hour / jam / 小时
Slot 4	Sunday Ahad 星期日	4:30PM	6:30PM	2 hours / jam / 小时



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