

The Philips logo is displayed in a white rounded rectangle on a dark red background. The word "PHILIPS" is written in a bold, blue, sans-serif font.

Professional lighting

Industry



Case study

Improving productivity, safety & energy savings at Indonesia's top dairy factory

Jl. Raya Bogor Km. 5 Pasar Rebo Jakarta 13760 - Indonesia





Background

Frisian Flag Indonesia manufactures dairy-based nutritional products for children under the Frisian Flag brand, which is more popularly known in the local market as Susu Bendera. Frisian Flag Indonesia traces its roots to the “Friesche Vlag” milk brand, which was imported from Netherlands-based Cooperative Condensfabriek Friesland – now Royal FrieslandCampina – in 1922. As a subsidiary of Royal FrieslandCampina, Frisian Flag Indonesia draws on its global experience as well as its long-term partnerships with local dairy farmers to deliver the best nutrients obtained from milk.

For more than 90 years, Frisian Flag Indonesia has become an integral part of the growth of the Indonesian family, helping children boost their health and reach their full potential through high-quality milk products (under Frisian Flag and its other brand names) that include liquid milk, milk powder, and condensed milk. It has over 2,500 employees working in its state-of-the-art production facilities in Pasar Rebo and Ciracas, both located in East Jakarta.

Client
Frisian Flag Indonesia

Location
East Jakarta, Indonesia

Philips products
Master LEDtube
GreenPerform Highbay
GreenVision Xceed
GreenPerform Batten

“ Philips provides energy-efficient LED lamps with the latest technology so as to improve our work quality and safety. **We get up to 60% savings annually while our workers’ safety is ensured.**”

Ipoeng Indryaswanto
Project Manager



A new lighting system that can help **boost comfort and productivity, enhance safety while bringing significant energy savings.**



The Project

Frisian Flag Indonesia sought to improve the quality of lighting at its production facility in Pasar Rebo. Bad lighting had affected employee productivity, with some of the staff experiencing tired eyes and discomfort. The high-energy consumption by the inefficient lighting system also led to Frisian Flag Indonesia's high electricity costs.

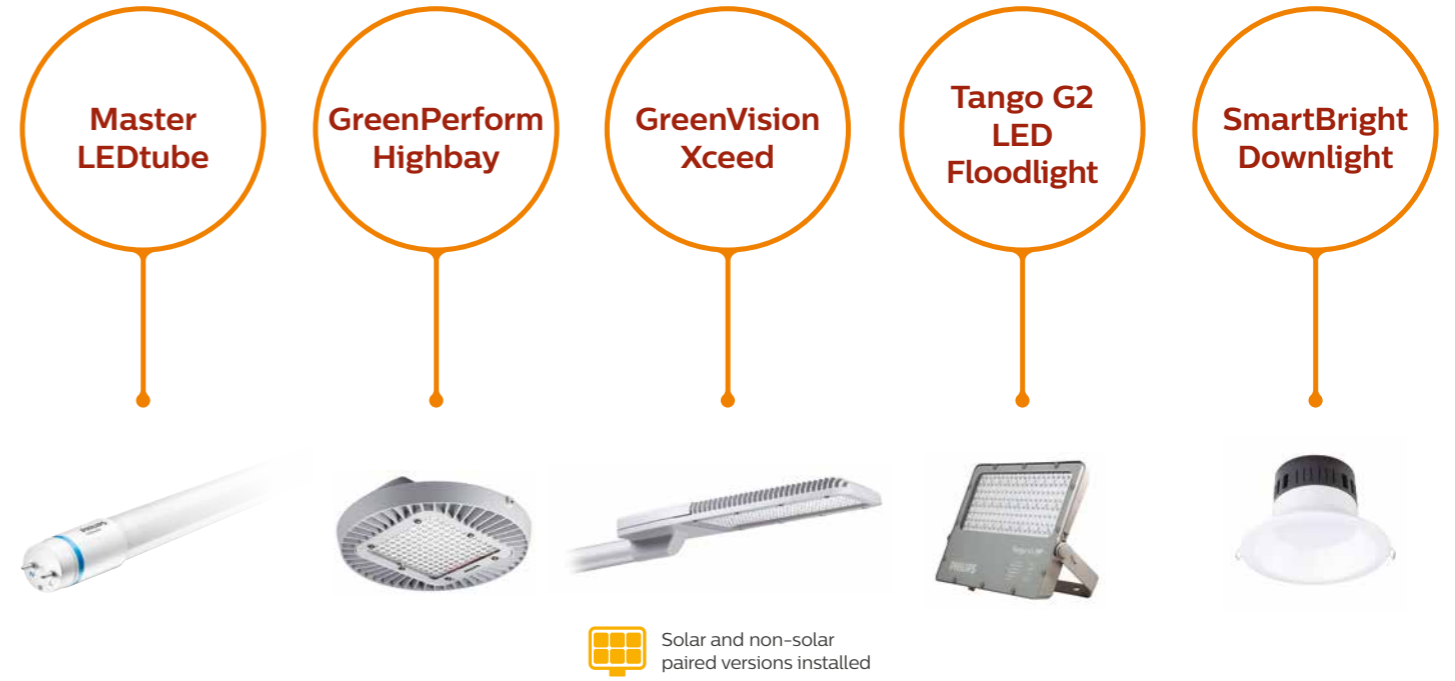
Frisian Flag Indonesia decided to partner with Philips to provide its Pasar Rebo facility with an efficient new lighting system that would boost comfort and productivity. Previously the Philips lighting team had replaced 2,549 light points in Frisian Flag's Ciracus facility, and this new project at Pasar Rebo involved the upgrading of another 3,588 light point fixtures.

Being energy-efficient, durable, easily replaceable and with an instant on/off factor, Philips Master LEDtubes, GreenPerform Highbay and GreenPerform battens were installed in all working areas as they are perfect for warehouse and industrial application. In other high-bay and out-of-reach areas, the

GreenPerform Highbay luminaires provided powerful yet comfortable non-flickering light for the facility, cutting glare by 20% and reducing the need for costly maintenance.

For the outdoor road and streets, GreenVision Xceed and Tango G2 Floodlights proved to be the ultimate choice as these energy-saving LED luminaires are designed to provide better quality white light and better light uniformity for both pedestrians and vehicle road applications. This ensured comfort, security, and overall safety within the roads and streets surrounding the facility.

Commissioned to manage the installation project from start to finish, Philips created the lighting design suitable for the facility's layout and executed necessary energy auditing procedures to monitor the applied lighting's energy consumption. Philips also provided maintenance and after-sales service to ensure optimum performance and lighting quality of the recommended solutions within the warranty period.



“ Before using Philips, we were more tired... **Now it's more practical, efficient and economical because there are no more blackout incidents. It's simple.**”

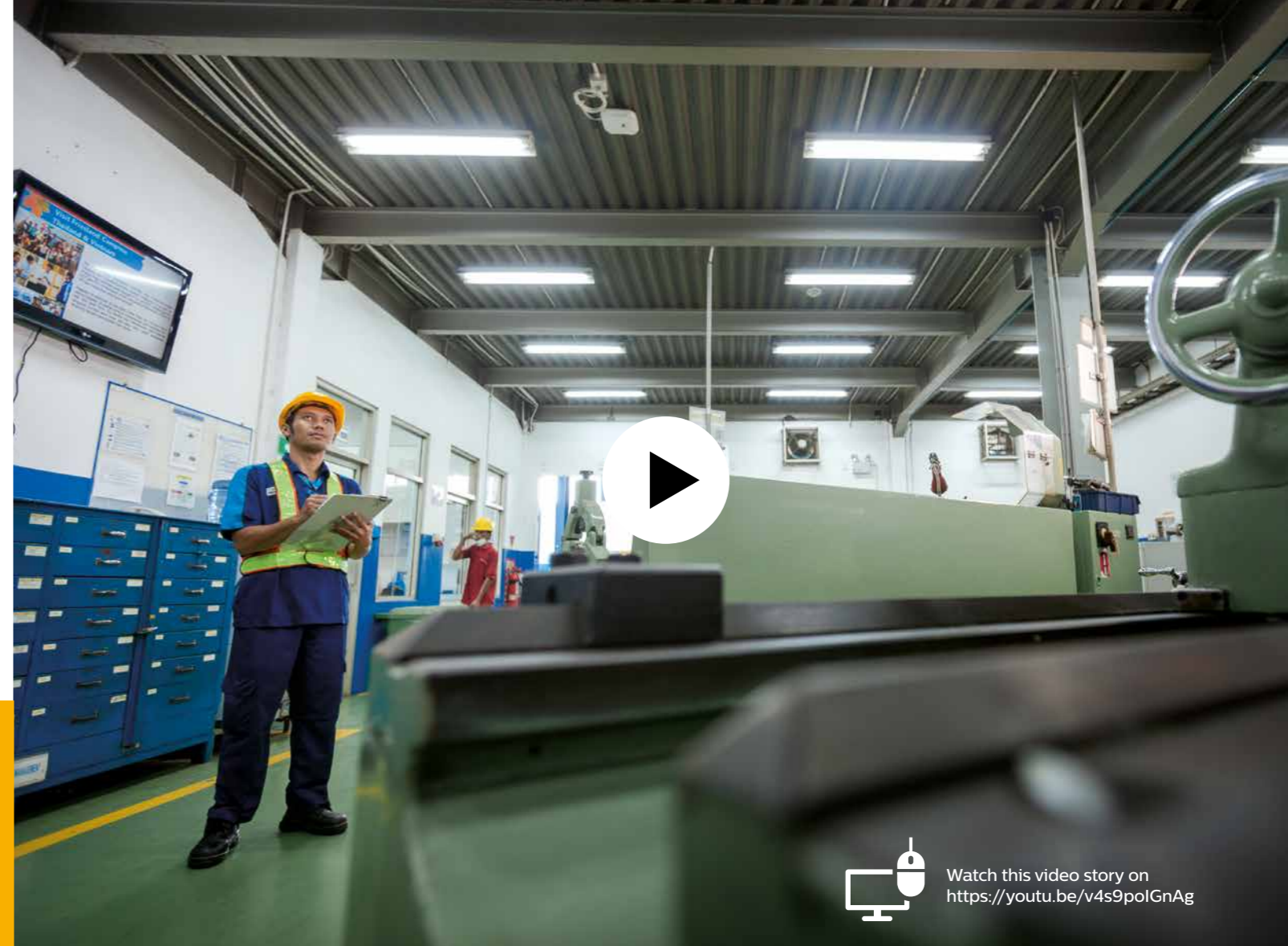
Sukanto
Maintenance Engineer





Benefits

Energy-efficient Philips LED lighting solutions allowed Frisian Flag Indonesia to achieve up to 60% savings per year, minimize maintenance costs, reduce work inefficiency due to staff discomfort, and reduce interruptions in daily operations. Re-lamping activities commonly associated with traditional fluorescent lamps were no longer needed at this facility. More importantly, partnering with Philips to provide sustainable, comfortable lighting conditions helped Frisian Flag prioritize safety in its work processes, boost performance and increased everyone's motivation to produce quality work every day.



Watch this video story on <https://youtu.be/v4s9polGnAg>

Electricity savings
up to 60%
per year

Eye comfort
achieved,
improved productivity

In line with
company's
strong focus
on safety

Long-lasting and sustainable



Electricity and energy cost savings

As tracked by Frisian Flag

1st facility
Up to
58%
Energy savings
per year

2nd facility

Up to
60%
Energy savings
observed to
date, tracking
of cost savings
ongoing

Before	After
1,384,055,763 (IDR/year)	581,998,216 (IDR/year)

Translating to electricity cost savings of up to IDR 802,057,547 per year

This transformation allowed the company to truly take pride in its bold but rewarding 'green' choice – **working towards a sustainable and safe facility for the employees.**

Take the next step to upgrade your facilities. Click here to find out more about **#FutureIndustry.**



