



TRACKLUBERR

ELECTRIC & SOLAR RAIL LUBRICATION

***Install Trackluberr
for long life of Rails***

RIKKON GROUP OF COMPANIES



INTRODUCTION TO ELECTRO / SOLAR LUBRICATION

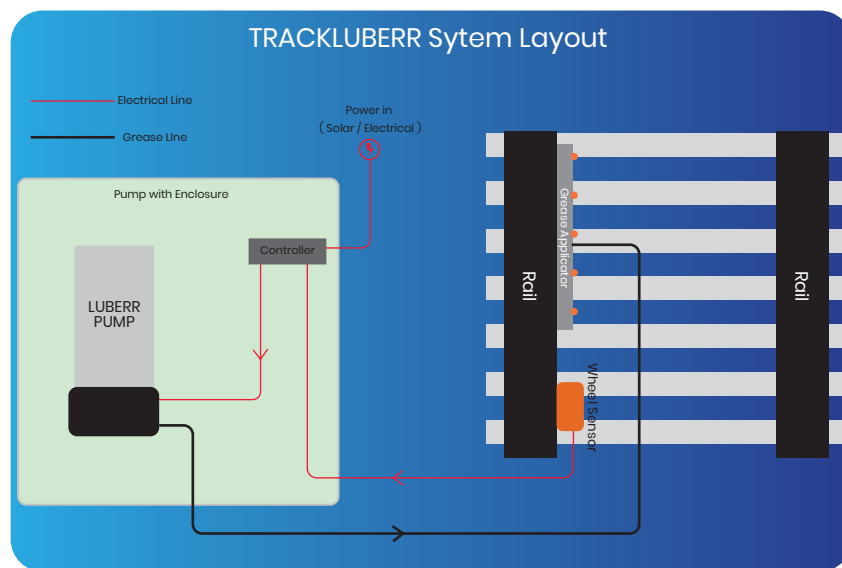
A solar-operated track lubrication system is a technology that is used to lubricate the wheel flanges of railway track where there is no possibility to give electrical power supply by the Railways.

The system consists of a wheel sensor that are mounted on the rails and a lubrication unit that is powered by a solar panel. The sensors detect the presence of a train and send a signal to the lubrication unit, which then applies a small amount of lubricant to the wheel flanges as the train passes by.

Environmentally friendly and biodegradable lubricant is applied in a controlled and precise manner to ensure that only the wheel flanges are lubricated and no other parts of the train.

The use of a solar-powered system makes this technology highly sustainable and cost-effective. The system requires no external power source, which means that it can be installed in remote locations without the need for expensive infrastructure. Additionally, the use of a renewable energy source reduces the system's carbon footprint and makes it an environmentally friendly solution.

Overall, a solar-operated track lubrication system is an innovative technology that can help to reduce the environmental impact of railway transportation while also improving the efficiency and safety of the system.



Dual Applicator of 675 mm Long

New Features

- 1) Applicators with detachable raiser sheets directs the grease to the flange face & flange root area for effective Lubrication
- 2) New pumping elements with special wear resistant design helps improved life even works with graphite content grease.
- 3) New LRCM remote monitoring system to monitor & capture data listed below and stored in cloud

🔥 Pump Run Status

🔥 System Pressure

🔥 Wheel Counts Cumulative & data Wise

🔥 Grease Level

🔥 Progressive Distributors Feedback

Track Lubrication

Model: LUBERR ELECTROTRACK & SOLARTRACK

Reservoir Capacity: 20 Kg / 50 Kg

Output/Outlet : 0.2 cc/stroke

Max No of outlet : 3

Max Operating Pressure: 300 bar

Outlet Size : 1/4 BSP



Distribution Box

Model: SVM21D

Material: Carbon Steel

No of Outlet: 12 Outlet

Output: 0.2 cc / Cycle / Outlet

Max Operating Pressure: 300 bars

Monitoring : Yes (Optional)



Rail applicator

Model: Dual Applicator (split type)

Material: Aluminum

Outlet: 6+6=12

Inlet Connection: 1/4 BSP

Length: 675 mm x 2 nos = 1350mm

Solar Stand Specification



Maximum Power Point : 75

Nominal Voltage : 24 V

Short Circuit current : 4.66 V

Voltage at Maximum Power : 17.5 V

Wheel Sensor



Type: Inductive Proximity type - PNP

Sensing Distance: 50 mm

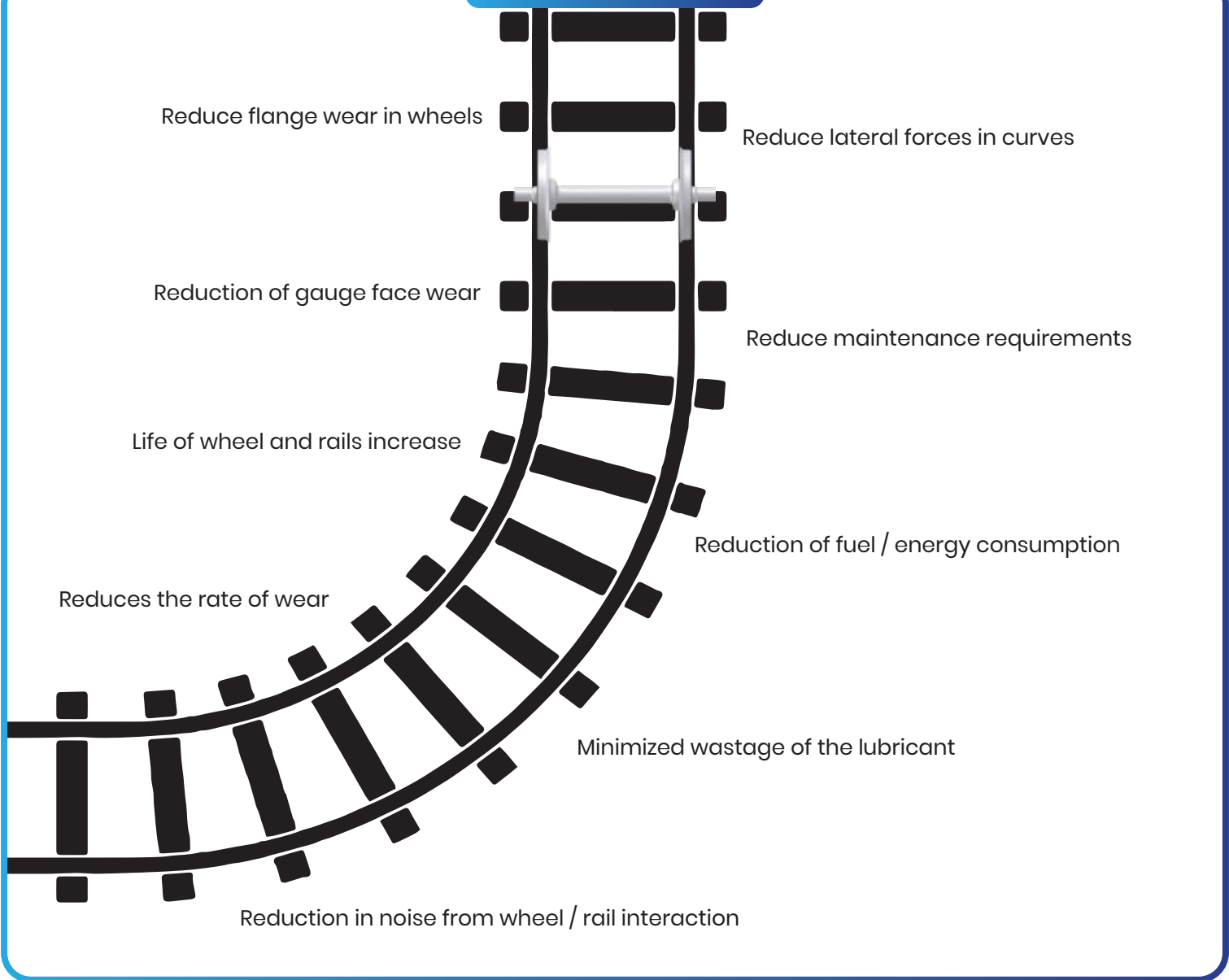
Switching Output: DC

Switching Function: NO – Normally Open

Protection Class: IP67



Benefits



contact us



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