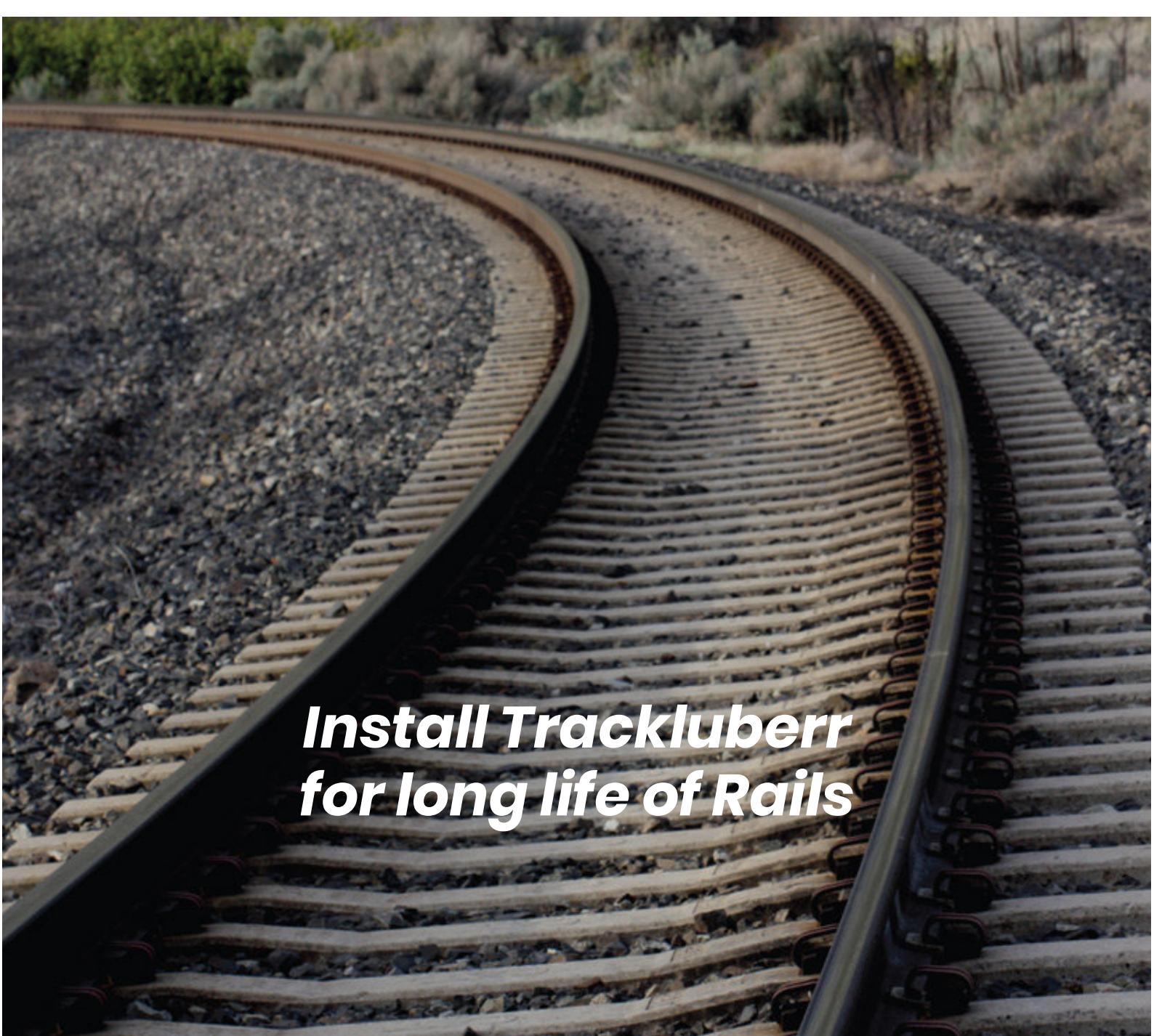




TRACKLUBERR  
ELECTRIC & SOLAR RAIL LUBRICATION



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

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RIKKON GROUP OF COMPANIES



## INTRODUCTION TO ELECTRO / SOLAR LUBRICATION

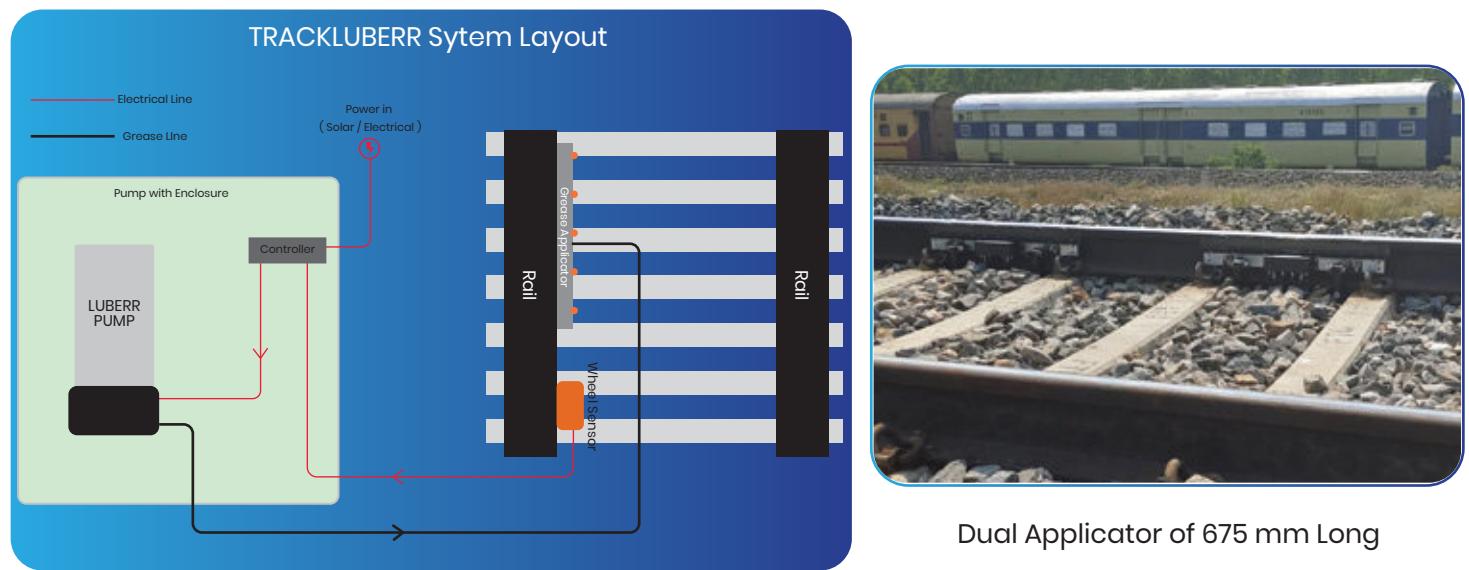
A solar-operated track lubrication system is a technology that is used to lubricate the wheel flanges of railway track where there is no possibility to give electrical power supply by the Railways.

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.



### 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

Reduce flange wear in wheels



Reduce lateral forces in curves

Reduction of gauge face wear



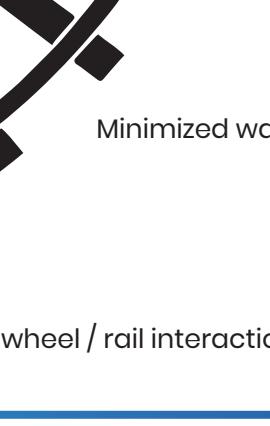
Reduce maintenance requirements

Life of wheel and rails increase

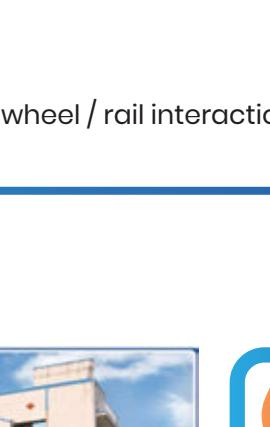


Reduction of fuel / energy consumption

Reduces the rate of wear



Minimized wastage of the lubricant



Reduction in noise from wheel / rail interaction

## contact us



📍 No: 203, Nageswara Rao Road, 2nd extn.,  
Athipet, Ambattur, Chennai – 600 058  
Tamil Nadu, INDIA

✉️ [info@rikkongroup.com](mailto:info@rikkongroup.com) / [sales@rikkongroup.com](mailto:sales@rikkongroup.com)  
[www.rikkongroup.com](http://www.rikkongroup.com) / [www.luberr.in](http://www.luberr.in)

contact person :

