igus®

CASE STUDY

SELF – ALIGNING BEARINGS FOR ELECTRIC UTILITY VEHICLES

"We have been using igus® bearings since our vehicles' inception and have not had any incidences of failure. igubal® enables the control arms in the suspension to deliver a smooth performance, prevents metal-on-metal contact and quiets up the vehicle immensely."
- General Manager

Rated for heavier loads than bronze bushings

Electric utility vehicles, also known as neighborhood electric vehicles (or NEVs), are designed to fit the needs of a wide range of customers, including residential homeowners, fire departments, municipalities and military bases. They are an ideal transportation alternative to short-distance driving.

One company developed two different electric-powered vehicles, both of which are virtually maintenance free and cost a mere one and a half cents per mile to operate at time of writing.

Each model can reach speeds of up to 55 miles per hour and come equipped with features such as steel bumpers, three point safety belts, and a battery discharge indicator.

Both electric utility vehicles use igubal® pillow blocks in the steering shaft and igubal® clip bearings in the suspension.

Due to its all-plastic construction and corrosion resistance, self-lubricating igubal® bearings are impervious to demanding

environments, such as those involving dirt, salt, or snow - all three of which are frequently encountered by the vehicles.

Customers enjoy little to no maintenance requirements, as well as the reduced noise offered by igubal® bearings.

More information
[igubal® self-aligning bearings overview](#)