

The Renovation Capa Project

What is the Renovation Capa Project?

- We will renovate a solar light for about the same cost as it would take to replace a lead acid battery
- We will replace the battery with an efficient lithium ion battery.
 - ※The lithium ion batteries we use charge very quickly, have long lifespans, and are safe throughout their lifespans.
- Renovation Capa is cheaper than installing a new solar light, because expenses for base construction, the pole, and the solar panel are conserved.



Benefits

- The battery will last at least 15 years
- Can optionally install more efficient LED lighting and solar panels (additional cost)

《 Expected lifespan 》

3~5years

Lead-acid batteries

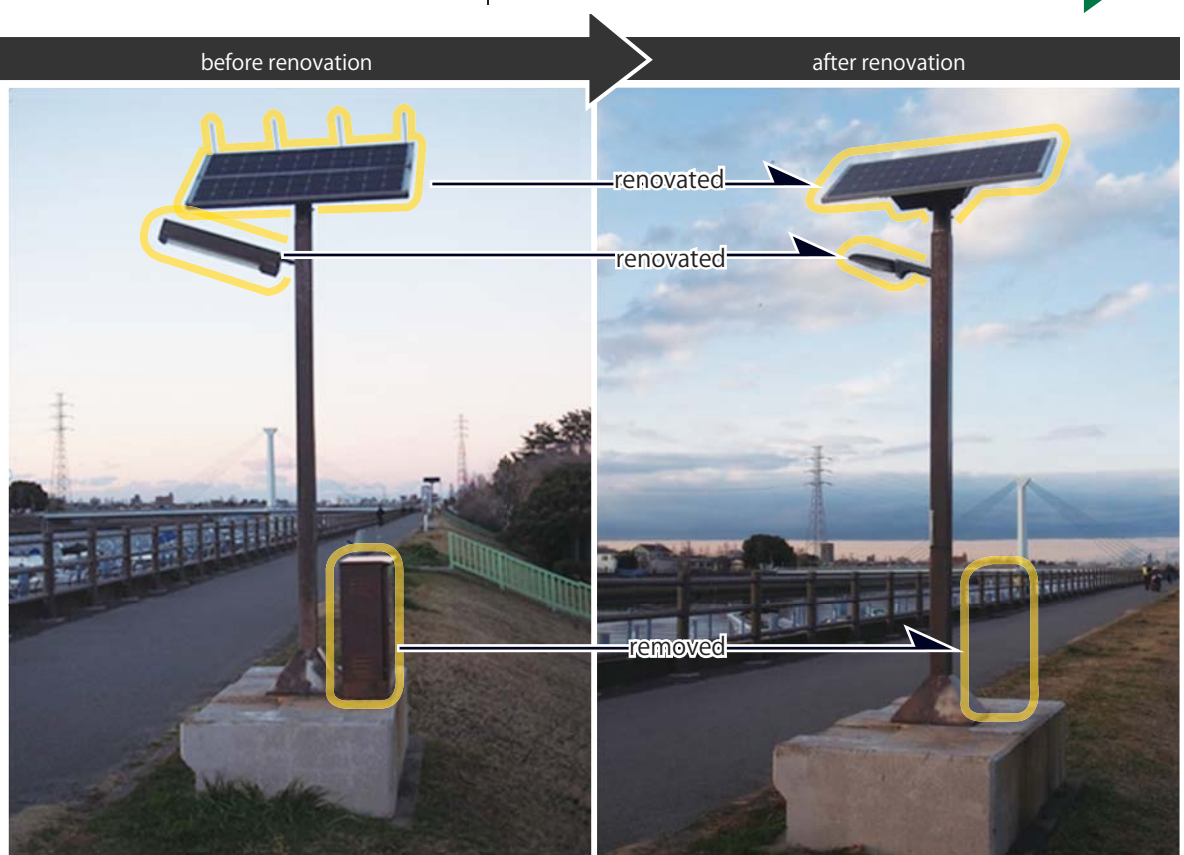
15years more

High cycle lithium ion battery

- Lithium-titanite battery
- Olivine type lithium iron phosphate battery

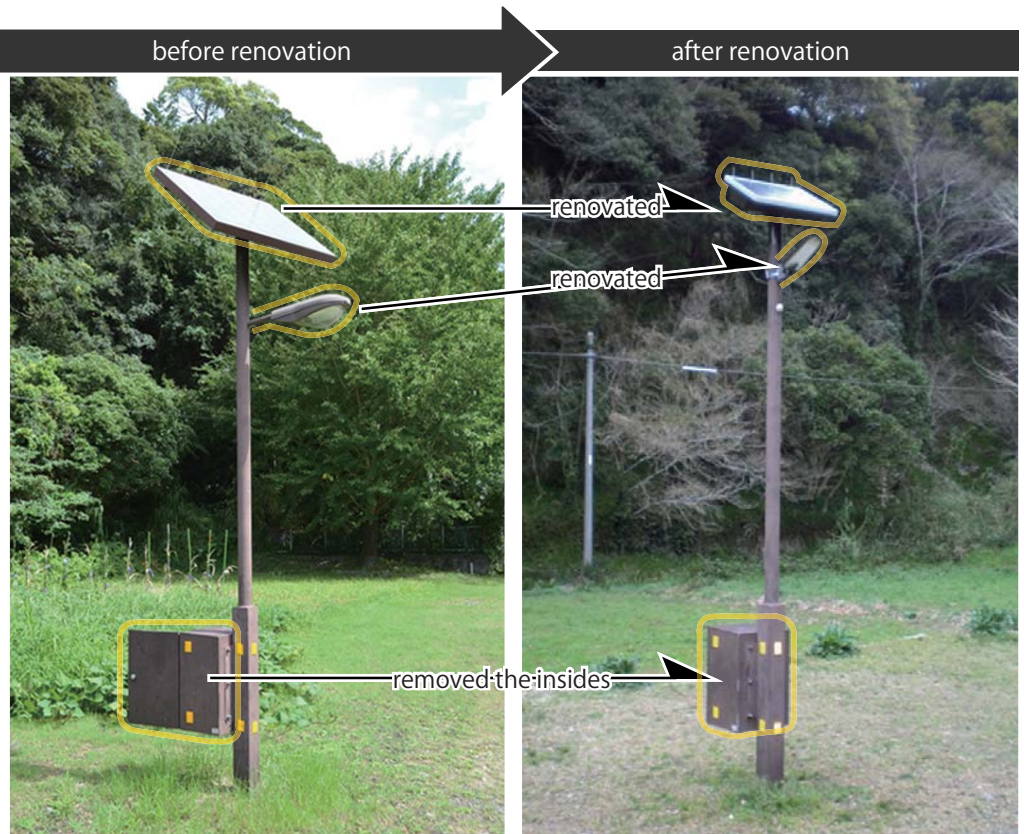
Case 01

We renovated a lead acid battery powered solar light, which requires AC conversion. For our renovation, we eliminated the need for AC conversion, instead using the much more efficient DC light. As a result, we improved the lights operating time from 5 hours to a maximum of 14 hours. The solar light can now easily light the riverbed until the morning.



Case 02

We renovated a lead acid battery powered solar light at a park next to an elementary school. Upon inspection, the lead acid battery that was being used was so old that not only would the light not turn on, but the battery acid had begun to leak. We replaced the battery promptly because this was a dangerous condition for the battery to be in. After renovation, we recovered a safe and operational solar light.



Case 03

Unlike Case 1 and Case 2, this solar light had a nonstandard design, with the solar panel connected to the side of the pole. Like this example, we also renovate solar lights with unique designs.

