

Gartec Platform Lifts

# ENERGY EFFICIENCY & SUSTAINABILITY

The latest technology,  
energy efficiency and  
sustainability within the  
Gartec range of lifts

**GARTEC**

AN ARITCO GROUP COMPANY

# RECYCLABILITY

## UP TO 95% RECYCLED AND RECYCLABLE MATERIALS USED

Up to 95% of the materials used in the Gartec HomeLift, Gartec 5000 Cabin Lift and Gartec 7000 Platform lift are recyclable. With our ambition to become 100%, this is a great achievement.

Using steel, aluminium, glass and as little plastic as possible allows for recyclability of almost all the materials that are needed to manufacture Gartec lifts, with up to 92% of the materials used already from recycled and sustainable sources. All that is left which is non-recyclable are parts of the electrical cable system and the battery. Aritco, our parent company are constantly developing our lifts and as battery technology changes, our lifts will be developed to incorporate recyclable batteries.

## ENERGY EFFICIENCY

The commitment for maximum recyclability and sustainability is demonstrated at every stage of the design process. Aritco are open-minded when it comes to changing designs and technology, in order to find more eco-friendly solutions.

The lights used within all our lifts have been designed for low energy usage, LED, rather than traditional fluorescent. This has the added benefit of our lifts becoming more energy efficient, with timed automatic switch-off and instant switch-on when the lift is called or a door is opened.

# SUSTAINABILITY & OUR FOOTPRINT

## BECOMING 100% RECYCLABLE

Furthermore, the lifts are manufactured primarily from steel, which is manufactured in modern steelworks from almost 98% recycled steel. This ensures that every Gartec Lift is manufactured from as much as 92% recycled materials. Given this, and the careful selection of other new materials, the lifts are up to 95% recyclable using current modern recycling facilities.

Sustainability is taken seriously with the goal to become 100% recyclable. Our responsibility starts before the manufacturing process begins and what happens thereafter. Recycled materials such as steel, aluminium and glass are sourced from local responsible suppliers, in order to reduce the CO<sup>2</sup> footprint. There is a continuous review on improvement of production methods and distribution.

## GARTEC 5000 CABIN LIFT & GARTEC 7000 PLATFORM LIFT

More specifically, when looking at the Gartec 5000 Cabin Lift and the Gartec 7000 Platform lift in a 'school' environment, the Gartec range of low-energy lifts are more economical and eco-friendly with a reduction of up to 66% annual power consumption/cost used and a reduction of up to 75% CO<sup>2</sup> emissions to produce the annual power for our lifts compared to a traditional passenger lift.



# INSTALLATIONS

## ENERGY REDUCTION IN INSTALLATIONS

As well as the recyclable materials that make up our lift solutions, there are added benefits in cost and time-savings. A two-stop passenger lift could take up to six weeks to install, test, commission and handover, in comparison to a Gartec's two-stop platform lift taking as little as two days and a Gartec's cabin lift as little as only three days, providing a real-time reduction in energy, labour and time used for installation by up to five weeks.

## SUMMARY

' A reduction of up to 66% power usage and up to 75% CO<sup>2</sup>'

## FACTORING EFFICIENCY INTO EVERY STEP OF OUR PROCESS

With rigorous development to achieve maximum recyclability and the forward thinking on materials, manufacturing processes and new technology we are always looking to provide the most eco-friendly lift solutions. We are proud that every step taken from Design to Installation, sustainability and energy efficiency has been factored into the process. When considering energy efficiency in your building design, Gartec lifts are powered by a 2.2kw motor which uses less energy than a standard domestic kettle or hairdryer. Similarly, the low-energy LED lighting and display components all contribute to a more sustainable and greener option compared to a conventional passenger lift option.

Our most popular energy-efficient lifts, the Gartec 5000 and Gartec 7000 lifts, show a reduction of up to 66% annual power usage and cost compared to a passenger lift in the same environment. Furthermore, an annual reduction of up to 75% CO<sup>2</sup> is seen through the production of the annual power used, this makes the Gartec 5000 and Gartec 7000 lifts an excellent choice to contribute to a greener footprint for your next project.

