



Giesecke+Devrient

Convego® Recycled Transit Card: Set greener sustainability standards



Make your transit cards ready for a cleaner, greener, carbon-neutral future

Public transport is more than keeping people moving. It's a core part of sustainability initiatives, more efficient and with fewer emissions than the one-person-per-car so common on roads. And done well, it binds society together, people from all walks of life riding side-by-side to their destinations.

With Convego® Recycled Transit Card, Giesecke+Devrient (G+D) offers transit authorities another piece of the green puzzle: A fully recycled option for transit passes and tickets. The Convego® Recycled Transit Card card repurposes 100% discarded PVC to make a 100% recycled card, alleviating the waste burden on our planet and making our cities greener and more pleasant places to live.

At present most recycled cards in the market are limited to 85% recycled material; Convego® Recycled Transit Card is the first card body available for transit made exclusively of 100% recycled PVC layers, reducing the CO₂ footprint of the material by 61%. At the end of its lifespan, the transit card can be recycled again, helping transit operators reach their carbon neutral corporate objectives.

There are benefits for citizens too. The use of plastics is already a critical concern to the majority of consumers, with 77% of respondents to a recent survey saying that plastic was the least environmentally responsible type of packaging. Supporting the adoption of a more eco-friendly lifestyle is what most consumers now expect from public transport agencies. So Convego® Recycled Transit Card is designed with sustainability and reusability appeal – letting consumers apply green principles to their own lives every time they board a bus or train.

What is rPVC?

rPVC (recycled PolyVinylChloride) is a thermoplastic created from discarded plastic products that are reshaped and repurposed into new forms. This recycled plastic comes from many different sources and industries, such as packaging, printing, windows, and the automotive sector. Typically these products would have been sent to landfill. Recycling and reuse avoids waste, pollution, and emissions. rPVC is:

Durable

Made to the same resilient standards as our non-recycled PVC cards, G+D have carefully developed these cards to function just as well as their non-recycled counterparts.

Reusable

Where local recycling services allow, rPVC cards can be recycled again and again, eliminating waste sent to landfill – repeatedly.

Proven

Our rPVC cards draw on existing technology in the payment cards sector, certified by VISA and Mastercard for both direct insertion and contactless operation in the payments ecosystem.

Sustainably sourced

Our rPVC is made from waste plastic sourced from multiple industries, including automotive and window manufacturing.

PVC vs rPVC (card body material)

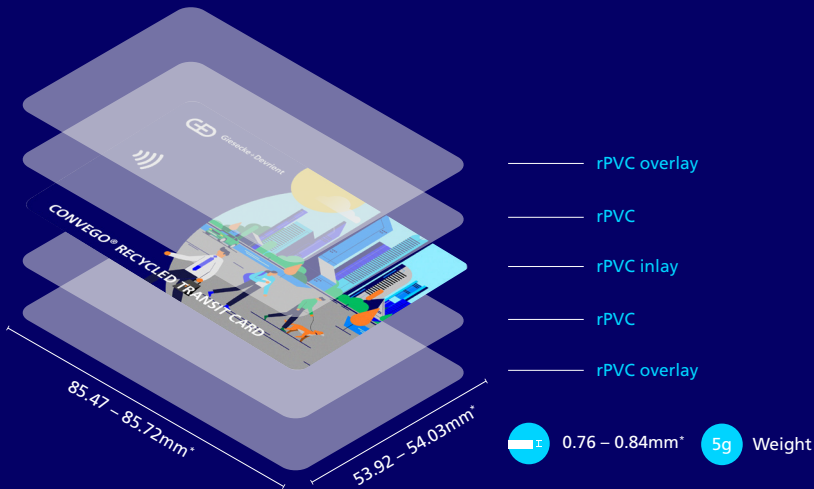
PVC: 18,3 g CO₂eq

rPVC: 7,2 g CO₂eq

Reduction: -61%

¹ <https://www.businessnewsdaily.com/15087-consumers-want-sustainable-products.html>
Unit is g of CO₂ equivalents (CO₂ eq).

The Convego® Recycled Transit Card card – key features



Usage: ISO testing suggests a similar lifespan to traditional PVC cards due to similar construction.

Material: 100% renewable, made from industrial PVC waste collected by licensed companies.

Non-hazardous: The rPVC used to make Convego® Recycled Transit Card can be recycled and reused repeatedly depending on local recycling policies.

No virgin plastic: All card body layers are made from 100% rPVC, except for the microchip and antenna.

*As per ISO-7810

Many governments are setting strict green standards, and as mostly public sector organizations transit authorities have no choice but to comply. Eco cards like Convego® Recycled Transit Card can be a great help to public transport operators.



Strong consumer support

With green awareness at an all-time high, Convego® Recycled Transit Card boosts public satisfaction in their mass transit systems.



Replaces paper

Many transit systems worldwide still use paper or card tickets, with low or zero reusability and a high propensity to end up in landfill. Convego® Recycled Transit Card cards are both reusable and recyclable.



Long service life

With similar construction to payment cards, Convego® Recycled Transit Card has a lifetime of several years.

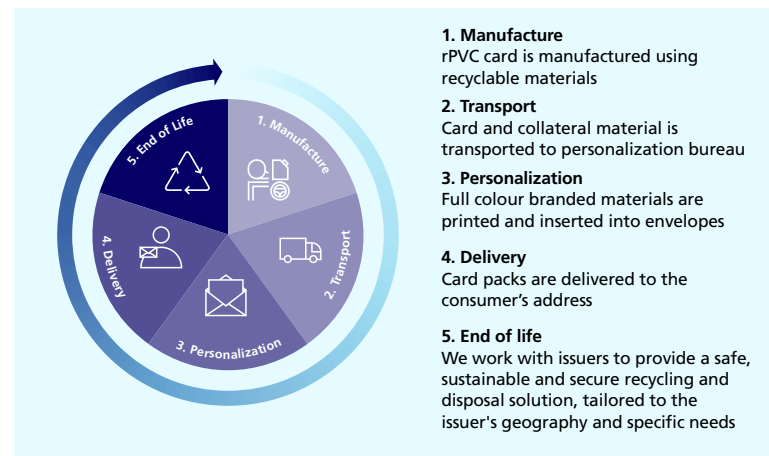


Highly customizable

With multiple overprinting and engraving options, Convego® Recycled Transit Card functions as a constant reminder of the transit brand in the consumer's wallet or pocket.

The eco-conscious production cycle:

Offering a card made from rPVC materials such as Convego® Recycled Transit Card is just part of operating a sustainable transit card program – benefiting you, the travelling public, and the environment.



Creating confidence

Giesecke+Devrient (G+D) is a global security technology provider headquartered in Munich, Germany. Founded in 1852, the company has a workforce of 12,600 employees and generated sales of EUR 2.53 billion in the 2022 fiscal year. A total of 103 subsidiaries and joint ventures across 33 countries ensure customer proximity worldwide.

Engineering trust through technology is G+D's core area of expertise. As a trusted partner to customers with the highest demands, G+D secures the essential values of the world. We develop customized technology in four major playing fields: payment, connectivity, identities and digital infrastructures.



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