Reduced carbon payment cards for eco-conscious customers.

Eco-conscious consumers are rapidly growing to be key market for banks and other financial institutions. It is estimated that 92% of customers will be more likely to trust a company that supports social or environmental issues¹, meaning that investing in environmentally friendly products and services will have a genuine, positive impact on a financial service business’ reputation.

The Convego® Natural card body is made of 100% of Polyactic Acid (PLA), a bioplastic which is industrially compostable, can be safely incinerated, and will not release chemicals if discarded in a landfill. PLA cards are as strong and durable as polyvinyl chloride (PVC) cards but are far less harmful to the environment as they degrade much faster than any other petroleum-based plastics and do not produce microplastics.

Whether you’re taking your first steps on your eco-innovation journey or are looking for additional products and services to reinforce your eco-conscious business strategy, Convego® Natural can be a valuable part of your brand’s sustainability story.

What is Polylactic Acid (PLA)?

PLA, or Polyactic Acid, is a bio-based and biodegradable polymer (under right conditions) made from annually renewable resources, offering a reduced carbon footprint versus many traditional plastics.

PLA is manufactured by G+D qualified partners into printable sheets according to G+D specific parameters. The PLA is typically made from corn-starch and sugarcane which is sourced from US, Netherlands and Thailand.

Non-toxic
PLA is not toxic. In fact PLA is often used in food handling and medical implants that biodegrade within the body over time.

Durable
These cards have been certified by an external Lab as well passing the ISO247819 2B profile for minimum 5 years life time under normal usage conditions.

Certified
Our PLA cards have also been certified by VISA and Mastercard ensuring they meet all necessary scheme requirements.

Industrially compostable
PLA is compostable under industrial conditions with concrete temperature, pressure and humidity conditions - typically 58C after six months.

Composition
Our PLA is a certified bio-based renewable material made of sugarcane or corn starch that is not intended for human consumption.

Convego® Natural: Sustainable plastic-free cards to build your eco-conscious strategy

The Convego® Natural card - key features

**Usage:** Independent tests verify a 5 year service life with average use.

**Petrol-free Material:** Bio-plastic produced from renewable resources (sugarcane or corn starch).

**Non-hazardous:** Even when incinerated, the card does not emit any hazardous or toxic gases leaving only ashes. If sent to landfill, PLA does no harm and adds no chemicals to the soil.

**Petroleum-free material:** All card body layers are made from 100% PLA, except for the microchip, antenna, contact plate, magnetic strip, signature panel and scheme hologram.

---

Design and personalization
The Convego® Natural card offers a range of customization and personalization options to bring your eco-conscious brand to life:

- **Core Materials**
  Inner core color options are set to be available soon.

- **Shape**
  The card can be shaped to requirements - as long as the payments scheme requirements allow it.

- **Magstripe**
  The magstripe can be colored black, green, red or blue.

- **Special effects**
  A range of effects are available, from UV logos to mirror ink, pearlescent effects, tactile effects and glossy and matt finishes.

---

Carbon-friendly approach
Taking a sustainable approach to card issuance by using PLA based materials potentially enables carbon-friendly outcomes across the entire ecosystem:

- **CO₂ absorption**
- **Energy recovery**
- **Industrial composting**
- **Sugarcane**
- **Lactide & PLA resin**
- **PLA applications**

---

Creating confidence
Giesecke-Devrient (G+D) is an international Group providing security technology and headquartered in Munich, Germany. Innovations by G+D make the lives of billions of people in the digital and physical world more secure. With its products and solutions, G+D is one of the market and technology leaders in payments, connectivity, identities, and digital infrastructures.

Established in 1852, the company achieved sales of €2.45 billion in the fiscal year 2019 and employs 11,500 people. G+D has a presence in 33 countries. Its customer base includes central and commercial banks, mobile network providers, automotive manufacturers, health insurance companies, and governments and public authorities.