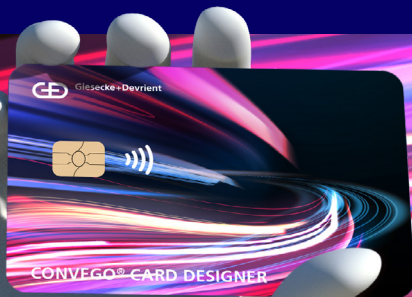




Giesecke+Devrient

Convego® Card Designer for NFTs

Place what your customer loves at the heart of every payment



Convego® Card Designer now allows customers to use their own NFTs when they design their own payment card. This link to a prized possession boosts customer connection to their card and ensures that you'll remain top of wallet.

Non-Fungible Tokens (NFTs) are assets – anything from ownership of a website domain to a photograph – that have been tokenized via a blockchain – therefore assigned unique codes and metadata that distinguishes them from other tokens. For example, there may exist hundreds of copies of a particular piece of digital art. However, if each has been turned into an NFT, each is considered unique, and ownership can be more easily asserted. And therefore can be more easily bought, traded or sold. Although almost anything can be represented by NFTs, the most common usage is digital images and collectibles.

The NFT market is relatively new – but advances in blockchain technology mean that customers can own assets they purchase or create, and thanks to Convego® Card Designer, banks can leverage this connection to ensure their card remains top-of-mind – and therefore top-of-wallet.

Customers can now use Convego® Card Designer to print their owned Non-Fungible Tokens (NFTs) on their payment card. With such a strong reminder of their investment, banks can be reassured of their customers' emotional bond to their card, and therefore to their bank too.

For issuers, they can easily relate to this lucrative, growing market by offering owned NFTs – particularly those of branded media titles, characters, or graphics, tapping in to the 'fan' market segment for these media offerings.

When banks offer their customers the chance to display their investment anywhere, they'll be attracted to that bank's service, and ensure that bank's card remains 'top of wallet' throughout their entire relationship.

Why choose Convego® Card Designer?

Part of the issuance process:

Convego® Card Designer can be fully integrated within the banking website and mobile app of the issuing institution, maintaining a smooth brand experience.

Opportunities for brand-building:

In addition to uploading their own photos or NFTs, consumers can choose from a themed set supplied by the issuing institution.

Professional backend portal:

Set up and configure user services with an easy-to-use interface.

Standard production process:

Issuing banks transmit card manufacturing data to Giesecke+Devrient (G+D) securely and simply, as part of the Smart Issuance process, streamlining issuance overall.

Fresh revenue stream for issuer:

Consumers willing to pay a premium for personalized devices and services combined.

Convego® Card Designer for NFTs: Place what your customer loves at the heart of every payment

Convego® Card Designer & NFTs – Customer interests boosting payment growth



User chooses to upload their own image



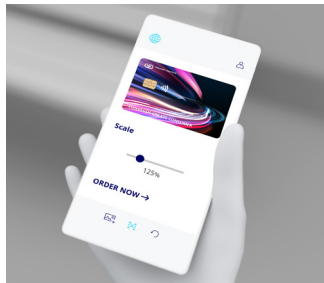
User selects NFT image from their photos



User then uploads their own photograph



or they can also select card image from gallery



User customizes the image



User orders the card to preferred address

Machine-led creativity

Convego® Card Designer allows customers to truly create anything their imagination can conjure. All thanks to the power of machine learning and generative AI. With just a few well-chosen words your customer can describe the card of their dreams and our sophisticated generative AI technology will create a truly unique image - one that's completely their own creation and available nowhere else. From there, Convego® Card Designer can even use sophisticated cryptography to digitally 'sign' this design as an NFT, so your customers can truly call this image their own - taking the design, and your payment card - into their hearts.

The NFT market

Relatively new – but growing quickly with mass-market appeal:

- **Over 50%** of NFT sales are made for under \$200 USD¹
- The NFT market grew by **over 450%** between 2020 and 2021 with over 40,000 buyers per month on Opensea.com²
- **29%** of US adults surveyed claimed they would be 'interested' or 'very interested' in collecting NFTs for fun or profit³

1 Non-fungible.com – market report Q3 2022 https://20137703.fs1.hubspotusercontent-na1.net/hubfs/20137703/REPORTS/2022/NonFungible_NFT%20Market%20Report%20_Q32022.pdf

2 Signhouse market statistics <https://www.usesignhouse.com/blog/opensea-stats>

3 Morning Consult <https://morningconsult.com/2021/04/05/millennials-nfts-collectibles/>

Uploading an owned image

1. Consumer is informed about which images are acceptable
2. Consumer uploads image from their device (JPEG or PNG, up to 5Mb)
3. Consumer edits image, with a simple UX
4. Your customers can choose the form factor that most appeals to them
5. Consumer orders the card, G+D produces and delivers

Choosing a themed picture

1. Issuing institution defines images, visible to consumers from a theme-based gallery
2. Optionally, issuers can add / remove other form factors from the gallery
3. Issuer can refresh these images from the gallery as needed
4. Consumer orders the card, G+D produces and delivers

Convego® Card Designer features

- Part of integrated G+D issuance process
- Secure by design, with support for global standards
- Integrated into institution's own banking app
- Easily set up a themed gallery – specific to your brand – in just a few clicks

About Giesecke+Devrient

Giesecke+Devrient (G+D) is a global SecurityTech company headquartered in Munich, Germany. G+D makes the lives of billions of people more secure. The company shapes trust in the digital age, with built-in security technology in three segments: Digital Security, Financial Platforms and Currency Technology.

G+D was founded in 1852 and today has a workforce of more than 14,000 employees. In the fiscal year 2022, the company generated a turnover of 2.53 billion euros. G+D is represented by 123 subsidiaries and joint ventures in 40 countries. Further information: www.gi-de.com.



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