Discover your fleet's potential

Shell APIs
Access the power of integration

Shell APIs

Content

Introducing **Shell APIs**

The need for intelligent solutions

The world today is dynamic and fast-changing, and the digital transformation is a defining feature for most businesses

Data management has added to workloads

The amount and type of data collected has grown massively and continues to grow

Outdated, siloed systems prevent holistic data analysis

Handled correctly, data becomes a potential source of profit

APIs are a way to bring your data together

What is an API?

API stands for 'Application Programming Interface'

APIs allow one company to easily integrate a specific service from another company into their own application, which could be a backend system, a website, or a mobile app.

They are the interface that allows diverse systems to work together with ease.
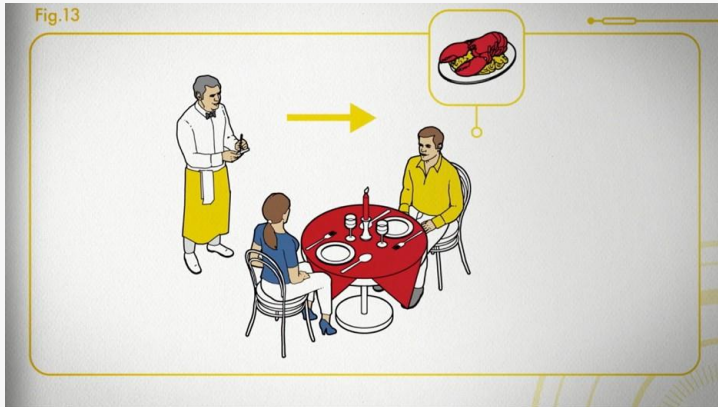
APIs are widely used

APIs are a crucial but unseen feature of the many digital tools and services we use every day.

For example, a smart speaker uses APIs in order to provide a wide range of services to its user, from weather updates to ordering pizza.
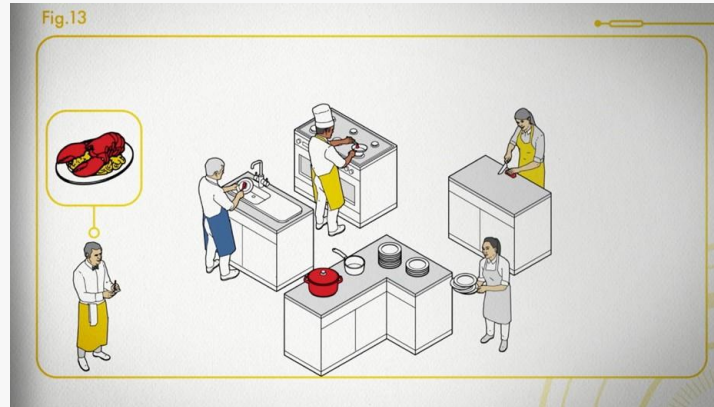
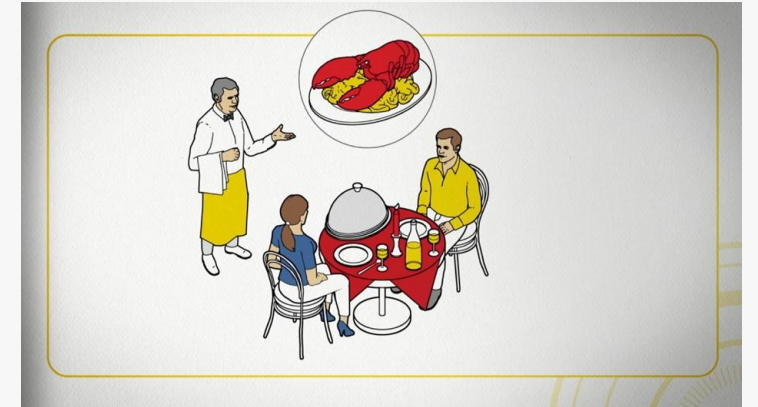# A quick analogy

1

APIs are like a waiter in a restaurant who takes your order.

2

The waiter is your link between your table and a busy kitchen...

3

...allowing you to have your fine dining moment without being exposed to the hectic action behind the scenes.

A collaboration to take your fleet forward

The task of managing a fleet continues to evolve in scope and complexity.

Our goal is to help your business succeed today and stay ahead in the future.

APIs are an efficient, adaptable solution which can flex to keep pace with the changing needs of your business.

Effective use of data can give a...

+ 25%
Cut in fuel expenses[1]

> 15%
Reduction of overtime[1]
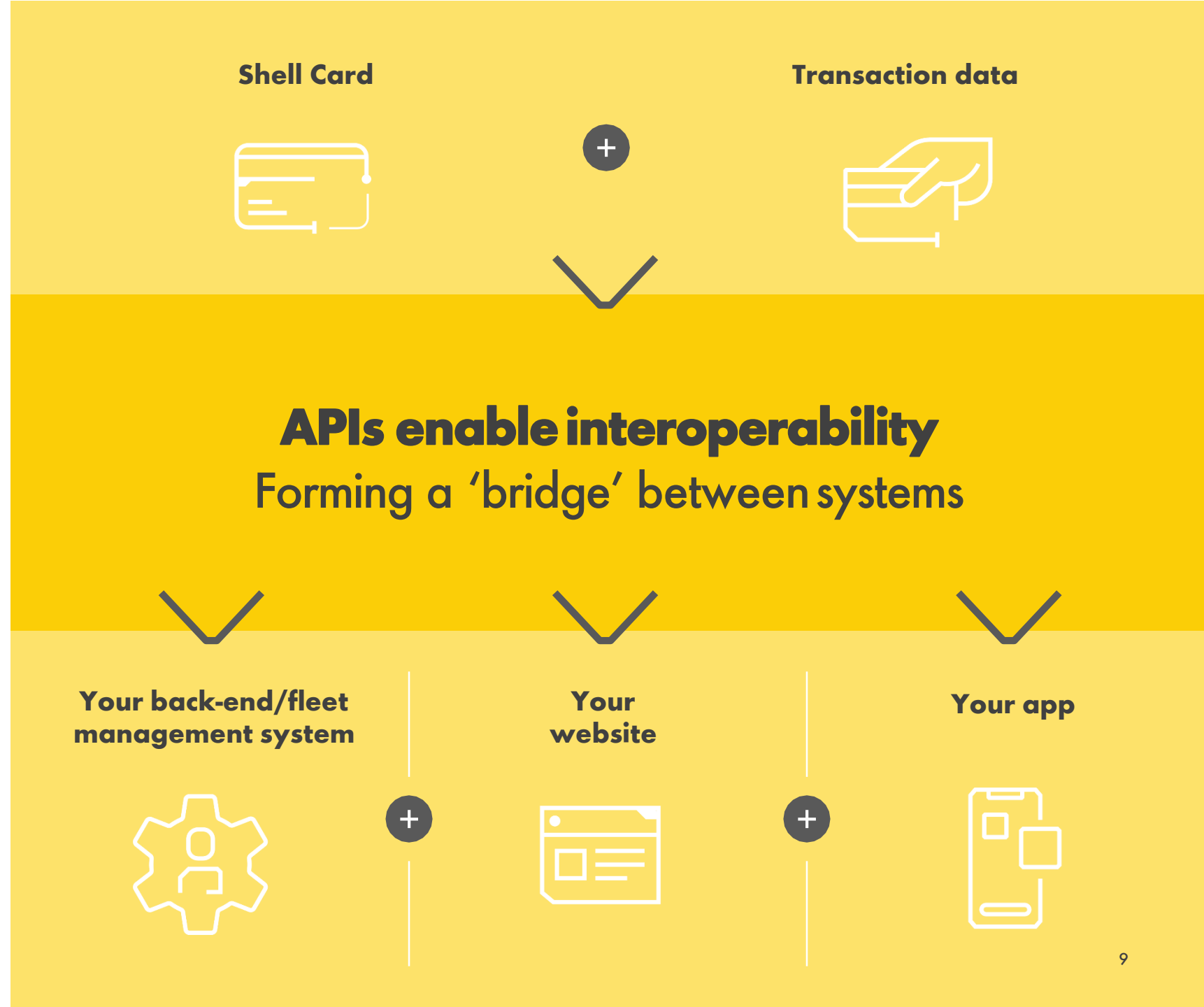
> 15%
Boost in productivity

6-8
months' time span for ROI[2]

1 Automotive Data Monetization to Reach $33 Billion in Opportunities for OEMs by 2025. 22 February 2018, Frost & Sullivan.
2 Executive Analysis of Big Data in Commercial Vehicles, Frost & Sullivan.

How APIs work for Shell Fleet Solutions customers

Data integration can help power your operation.

Shell Card

Transaction data

+

APIs enable interoperability
Forming a 'bridge' between systems

Your back-end/fleet management system

+

Your website

+

Your app

APIs for heavy-duty transport

The benefits to your business

No matter if you're hauling goods across the nation or across borders, our APIs help you to harness your data, simplify day-to-day tasks, improve security and develop new ways of working.

Integrate daily Shell Card transactional data into your systems to help reduce time-consuming manual tasks
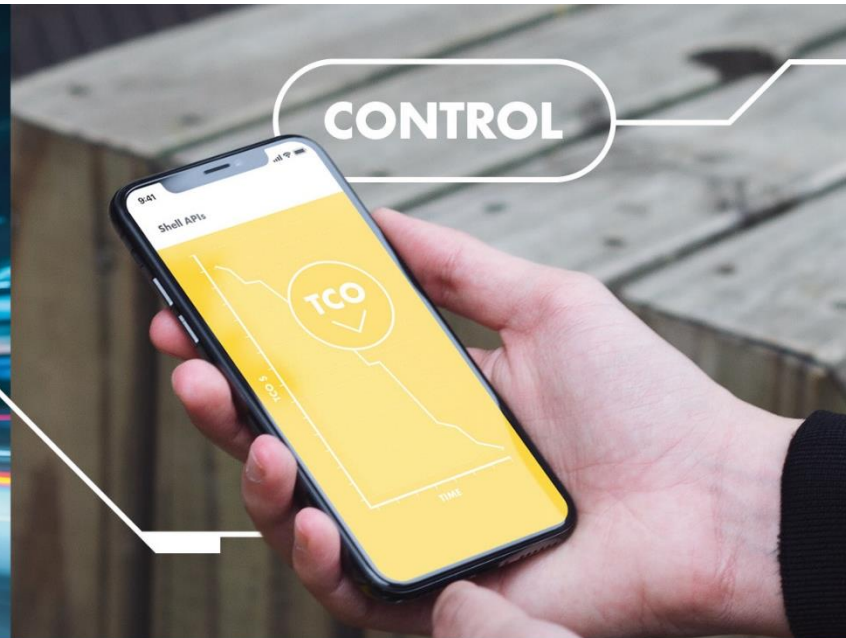
Prevent fraud, control spending, reduce your total cost of ownership (TCO), and help drivers stay on route and on schedule

APIs can be combined enabling flexible functionality to create actions and improve processes

Insightful data for better control

We offer three packaged bundles that each focus on a distinct business need for heavy-duty transport.

DATA AND REPORTING

CARD MANAGEMENT AND SECURITY

SHELL SMARTPAY

Automatic feed of data into your fleet management system

Easy access to invoiced and un-invoiced fuel transactions

Insights to improve planning and control spending

Bill customers sooner

Gain control over the whole card lifecycle from within your system

Order, cancel, block and unblock cards with ease

Set spending limits and location restrictions

Power digital payments through your own app to make drivers' fuel stops quicker

Issue virtual cards in minutes

Data and
reporting

Data and reporting
Key features

Transactional data integration

Receive transactions and declines in real time*

*Coming in H2 2022

Toll transactional data including location information

List of Shell and third-party network sites

Station locator

Price list

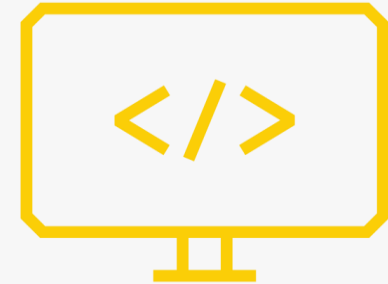**Download invoices (PDF and EID format)**

Flexible pre-built reports

Data straight into your system

Get a regular, automatic feed of
the latest fuel, shop and tolling
data into your system and avoid
the need for manual data transfers.

The data you need

- ☑ Access invoiced and un-invoiced priced fuel transactional data daily

- ☑ Toll data, including location information

- ☑ Streamline day-to-day processes e.g. invoicing customers

- ☑ Improve your integrated reporting at a vehicle level

YOUR SYSTEM
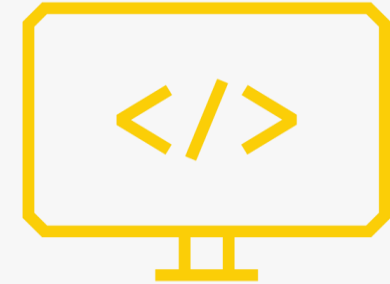
+

TRANSACTIONAL DATA API

React faster to transactions and declines

With real-time transaction and decline data you can set responsive triggers in your system to help protect against risk.

- ✅ Know when and where your drivers refuel as it happens

- ✅ Take action to reduce risk, e.g. block cards after three declines for an incorrect PIN
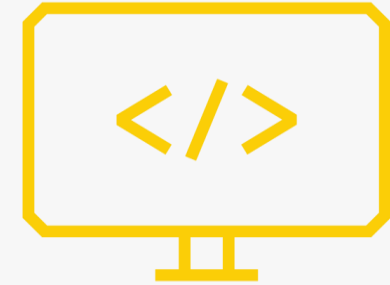
*Coming in H1 2021

YOUR SYSTEM

+

REAL-TIME TRANSACTIONS & DECLINES API*

Identify value leakage

The Exceptions API gives an overview of any cards that have exceptional transactions to help address value leakage.

YOUR SYSTEM

EXCEPTIONS API

☑ Identify cards which have filled up very large or very small amounts

☑ Identify purchases from higher cost locations or fuel grades

Optimise routes and control spending

Use up-to-date fuel price information to improve your route planning, lower fuel costs and make every journey as efficient as possible.

Make life easier on the road

- ☑ Search for Shell and third-party network sites nearby
- ☑ See site specific, national and international fuel prices
- ☑ See site specific facilities and conveniences
- ☑ Power your driver app or route planning software
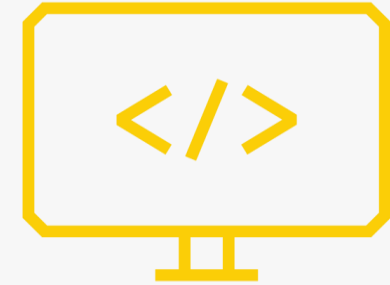
YOUR SYSTEM

+

PRICE LIST API

STATION LOCATOR API

Data and reporting bundle tiers

Starter

Automate processes with key data on a monthly basis

Transactions (priced) – monthly

List of sites – monthly

Fee details

Invoice download (EID & PDF)

Statement of account

Invoice status

Advanced

Power automation with daily data

Transactions (priced) – daily

Transactions (priced) – monthly

List of sites – daily

List of sites – monthly

Exception reports

Flexible summary reports

Station locator

Customer price list

Tiered bonus/pricing

Fee details

Invoice download (EID & PDF)

Statement of account

Invoice status

Premium

Leverage instant insights

Transactions – real-time (Q3/2022)

Declined transactions

Transactions (priced) – daily

Transactions (priced) – monthly

List of sites – daily

List of sites – monthly

Exception reports

Flexible summary reports

Station locator (incl.DDGs Q3/2022)

Customer price list

Tiered bonus/pricing

Fee details

Invoice download (EID & PDF)

Statement of account

Invoice status

EV detailed transactions (Q3/2022)

Toll4Europe & Telepass reporting (Q4/2022)

Shell APIs

19

Card management
and security

Card management and security
Key features

Order toll onboard unit
Shell EETS Box
2023

Order and cancel cards

Block and unblock cards

Manage card limits

See limit balances

Monitor card data

Extra security with Fleet ID validation
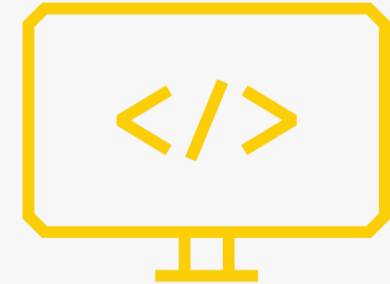
Select your own PIN

Manage location restrictions

Manage cards within your own system

With integrated data you can set rules, make changes and access key information in your own system with ease. Shell's system will reflect all the changes made automatically, so there's no need for double data entry.

Order, cancel and manage cards at speed

- ☑ Order 50 cards in one go
- ☑ Cancel up to 500 cards at a time
- ☑ Block and unblock cards in an instant
- ☑ Improve your integrated reporting at a vehicle level
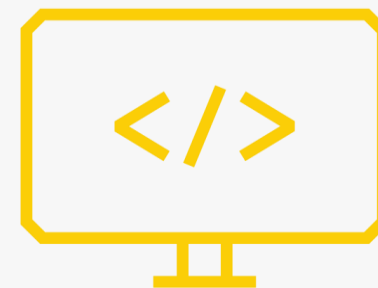
YOUR SYSTEM

+

CARD MANAGEMENT & SECURITY APIs

Take control of spending with card limits

Stay in control by applying a broad range of limits to prevent issues like fuel-siphoning and overspending.

☑ Volume, value and transaction limits can be set at a daily, weekly, monthly or annual threshold

☑ Card lifetime limits are one-off limits that will not reset

☑ Product limits establish what can and can't be purchased using your cards

☑ Day and time limits allow precise control over spending, e.g. only during business hours

☑ Cards will be declined once the limit (value or volume) has been reached

YOUR SYSTEM
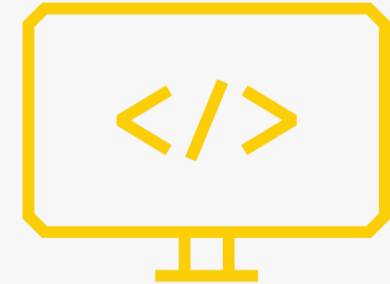
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MANAGE CARD LIMITS APIs

Monitor remaining balances in real time

Help your drivers stay informed and on top of their spending and remaining allowances by integrating card limit balances into your driver app.

☑ See the remaining balance against each card's limit*

☑ Updated balances are available after each transaction is completed

☑ Help drivers avoid declined transactions by keeping them aware of their limits

*Balance shown will be based on pump price

YOUR SYSTEM

+

YOUR DRIVER APP
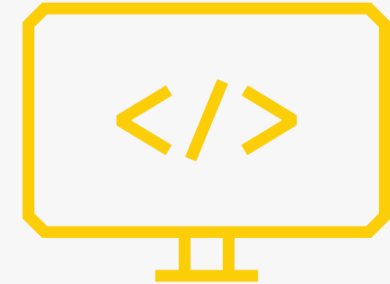
SEE LIMIT BALANCES APIs

Take control of refuelling

You can prevent drivers from using non-preferred fuel stations to limit spending at higher cost sites.

You can set restrictions by including or excluding:

- ✅ Countries

- ✅ Third-party networks (TPN)

- ✅ Specific Shell sites or site groups

YOUR SYSTEM

+

MANAGE LOCATION RESTRICTIONS API

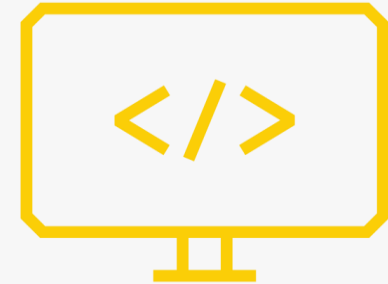# Manage restrictions and limits with ease

It's possible to control individual cards with our flexible restrictions, but when a rule applies across multiple vehicles or drivers, we've made it easy to update a number of cards at a time.

☑ Apply the same limits and restrictions across multiple cards

☑ Manage up to 500 cards with one restriction profile

☑ Assign a restriction profile at card order

Increase security and protect against fraud

Take prompt action whenever unusual card activity is detected to prevent misuse without delay.

YOUR SYSTEM

BLOCK AND UNBLOCK CARDS API

☑ Block and unblock card in real-time

☑ Block up to 500 cards in one API call

☑ Schedule blocks and unblocks in advance (e.g. for annual leave)

Extra security for temporary drivers

By integrating our card management API with your internal driver or HR system you'll gain greater, easier control over how your fuel cards are used.

For example: Create a Fleet ID validation code for drivers on shorter contracts so they can temporarily make use of a fuel card.

Fleet ID validation

☑ Add an extra layer of security to ensure only validated drivers can use your card

☑ Invalid Fleet ID will cause the transaction to be declined

☑ Fleet IDs can be used across vehicle cards under the same account for clearer reporting

☑ Set (and change) expiry dates

YOUR SYSTEM

+

FLEET ID API

Flexible tools to access and manage your key data

See full card details

Vehicle registration

Driver name

Expiry date

Current statuses

Filter card lists

View cards by status

Summary of card by status

Filter by card groups

Card auto-renewal status

Manage cards on an individual or group level

Move cards between card groups

Add cards to card group at card order

Create new card groups

See what cards are in a card group

Filter card lists and transactions by card groups

Cancel cards

Card management and security bundle tiers

Starter

Automate your day-to-day essential tasks

Order cards

Cancel cards

Order e-mobility cards

Manage card groups

View cards in card group

Replace card

Delivery address per card

Self select/system generated PIN

PIN reminder

Filter cards by status

Advanced

Take control of spend and driver actions

ALL STARTER FEATURES +

Fleet ID validation

View balance of limits

Restriction group management

Country restrictions

Network restrictions

Product set restrictions

Block and unblock cards

Lifetime limits

Day and time limits

Value and transaction limits

Premium

Get full, instant control of spend and drivers

ALL STARTER AND ADVANCED FEATURES +

Shell site restrictions

Discount group restrictions

Product level restrictions

Value limits by product

Value limits by service

Account and sub-account level restrictions

Shell
SmartPay

Shell SmartPay
Key features

Pay for fuel on the forecourt

Works with card limits and restrictions

Pay from your own app or vehicle

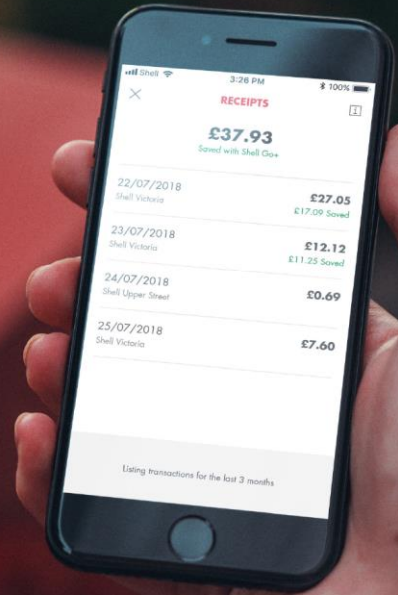**Issue virtual Shell Card and allow transactions from day one**

Station locator

Transaction confirmation

Approve drivers' use of SmartPay in Shell App

Enable mobile payments at Shell sites*

Integrating your application with Shell SmartPay API means drivers can easily pay for fuel via a mobile device at Shell stations.

- ☑ Paying from inside a vehicle means no need to queue
- ☑ Enables payment at every pump at most Shell sites
- ☑ Available in your mobile applications via APIs
- ☑ Approve or reject driver's use of Shell SmartPay in Shell App

*Shell SmartPay is rolling out at Shell company-owned sites and many Shell dealer sites across multiple European countries. Shell SmartPay does not work at third-party network sites.

Get drivers set up faster with virtual cards

Combining data from your system with Shell Order Card and Shell SmartPay APIs allows you to issue new drivers with a virtual card via your mobile application.

☑ No need to wait for plastic cards or PINs through post

☑ Virtual card issued to app in minutes

☑ Drivers can fill up on-site as soon as virtual card is issued

☑ Option to issue virtual cards only or virtual cards alongside physical plastic cards

YOUR SYSTEM

**YOUR APP/ ONBOARD UNIT**

SHELL ORDER CARD API

SHELL SMARTPAY API

Integrate with third-party fuel tank data

Enhance your ability to set volume and product limits and block cards when limits are reached by linking to third-party tank data to ensure that you never allow more fuel to be filled than the tank capacity.

☑ Set controls when a certain volume or transaction level is reached

☑ Avoid fuel-siphoning and overspend

☑ Monitor fuel in real-time and adjust any restrictions accordingly
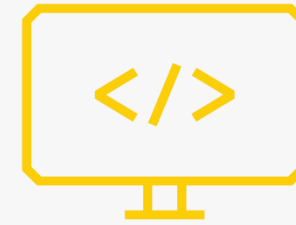
YOUR SYSTEM

3RD PARTY FUEL TANK DATA API

SHELL RESTRICTIONS API

SHELL SMARTPAY API

Make life easier for your drivers

Integrating data into one app will help drivers to focus on the road and stay on schedule.

☑ Reduce the number of apps, log-ins and devices your drivers need to get from A to B

☑ One app can bring together payments, routes, schedules and more

☑ Drivers can see transaction data, card limits, location restrictions and fuel spend

Seamless integration

We will guide you through integration

We offer a comprehensive set of tools and support to help your IT team integrate our REST APIs into your existing systems.

Developer tools

Test environments with sample data

A developer portal with Open API specifications

Onboarding guides to help quickly implement specific use cases

Pre-built Postman collections to start experimenting in minutes

A simple, four-step process

Integration timings vary depending on the bundle you choose and your internal processes and resources, but our tried-and-tested process will help with get you up and running.

Visit **developer.shell.com** to get started.

1 Our dedicated team will advise on the best suited APIs for your business

2 Access onboarding documents to help your IT team estimate timings and workloads for integration

3 We'll provide test environments, sample data and code samples to test integrated functionalities quickly

4 Once you're live we'll help you troubleshoot any issues and provide advice to get the most out of your APIs