

National Parking Platform

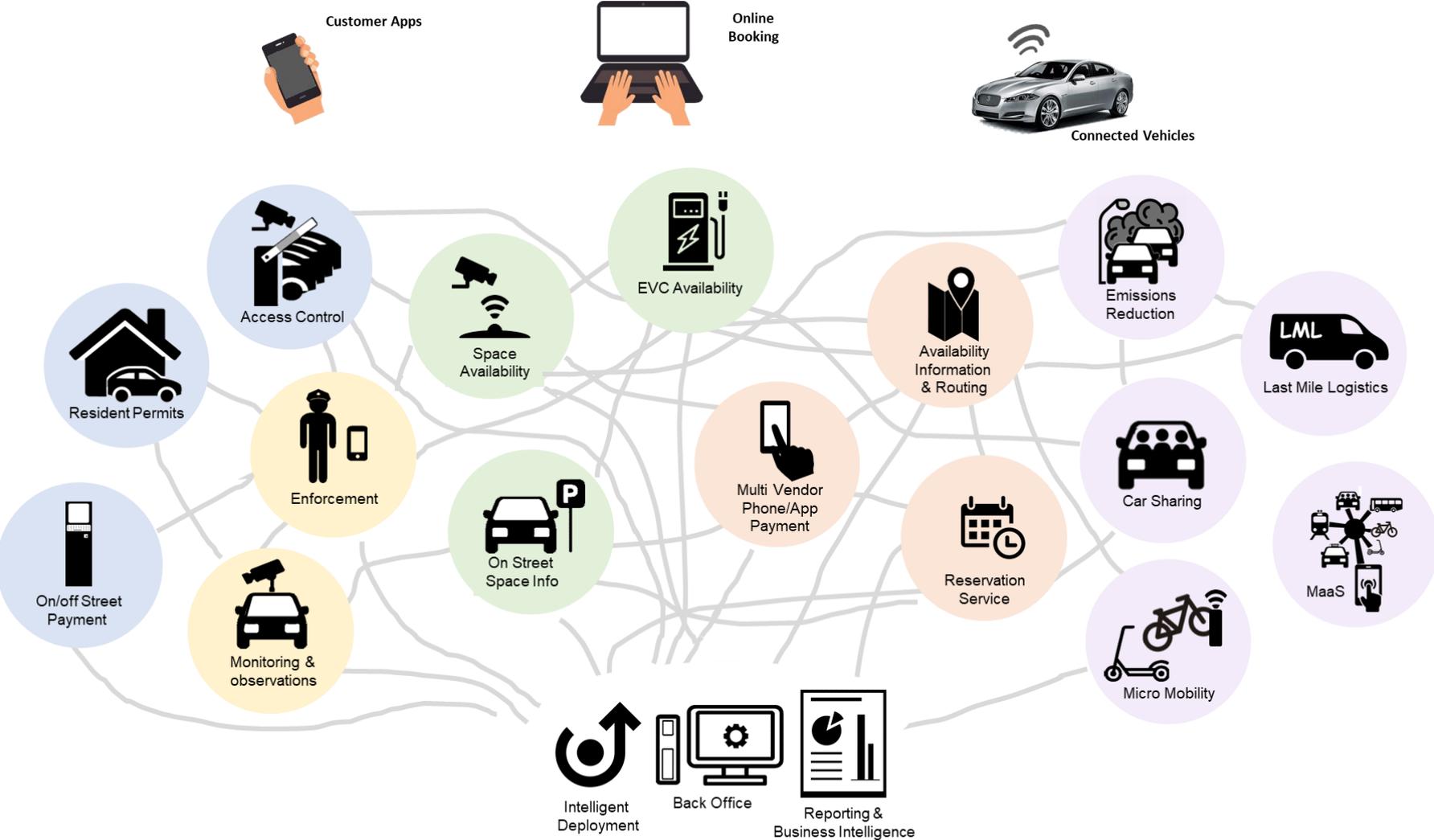
Service Provider Introduction



Background – Why an NPP?



Smart Deployment

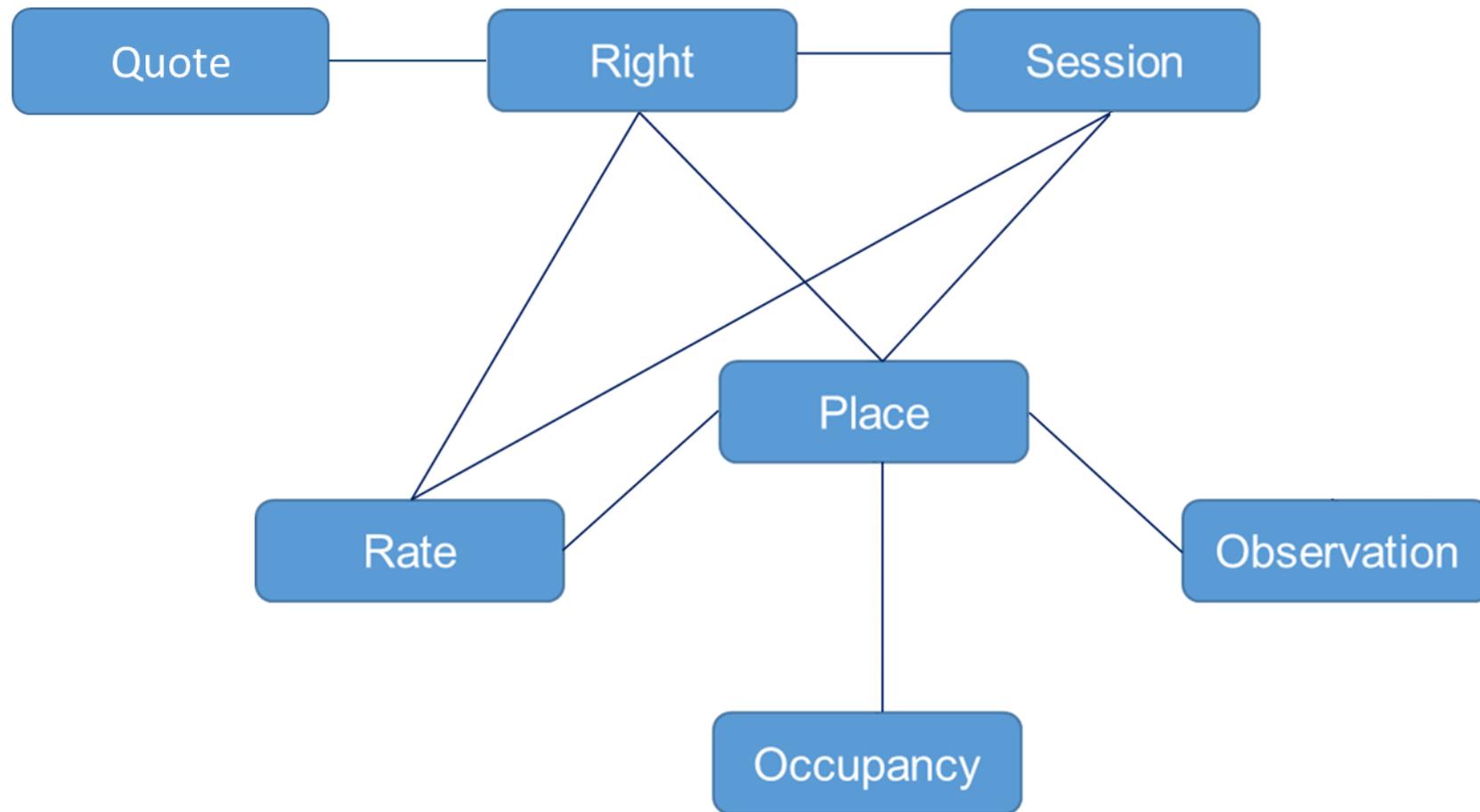


The Smart Parking challenge for parking operators (especially local authorities) is that they must integrate disparate systems in order to fulfil their policies and objectives.

The National Parking Platform uses the Alliance for Parking Data Standards (APDS) protocols to enable operators to integrate services and equipment to create a better environment for their localities and customers as well as developing sustainable transport options for the future.

The NPP is a Department for Transport funded initiative.

What is APDS?



APDS is an international standard for communicating parking data.

The data model describes all aspects of parking, enabling any information about a parking place and those using it to be communicated between otherwise unrelated systems

It is the basis for ISO 5206-1 and for CEN 16157 Part 6

What is the National Parking Platform?



- **A collaboration between central and local government (with private sector involvement)**
- **Publicly owned**
- **Not for profit**

What is the National Parking Platform?



- **A way of communicating information on parking locations (including availability)**
- **A data exchange to enable multi-vendor payments**
- **A way of standardising technical and commercial relations**

The National Parking Platform is NOT



- **Customer facing**
- **An app**
- **A way of settling payments (acquiring)**

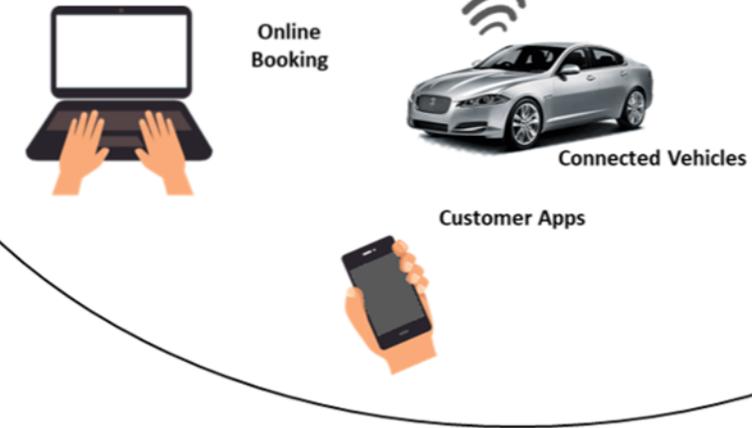
How does it change the Market?
What are the benefits?



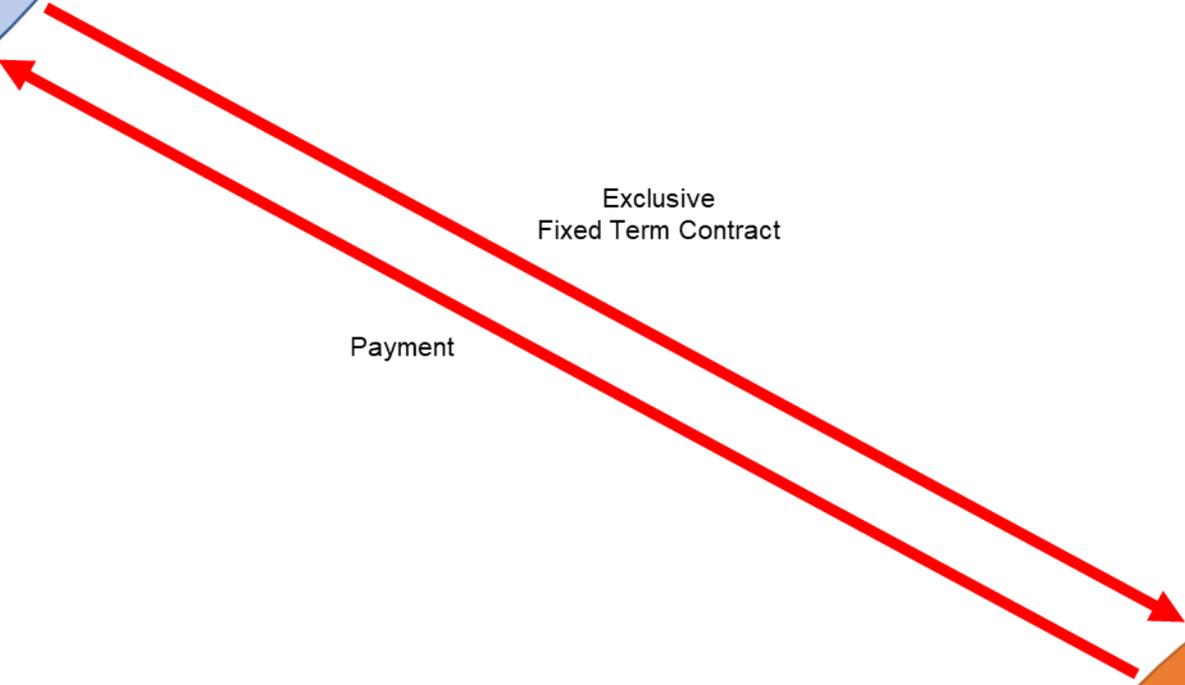
Parking Operators



Customers



"Customer" Relationship



Payment

Exclusive Fixed Term Contract

Customer "Relationship"



Current situation:

Direct contract between Operator & Service Provider



Service Providers

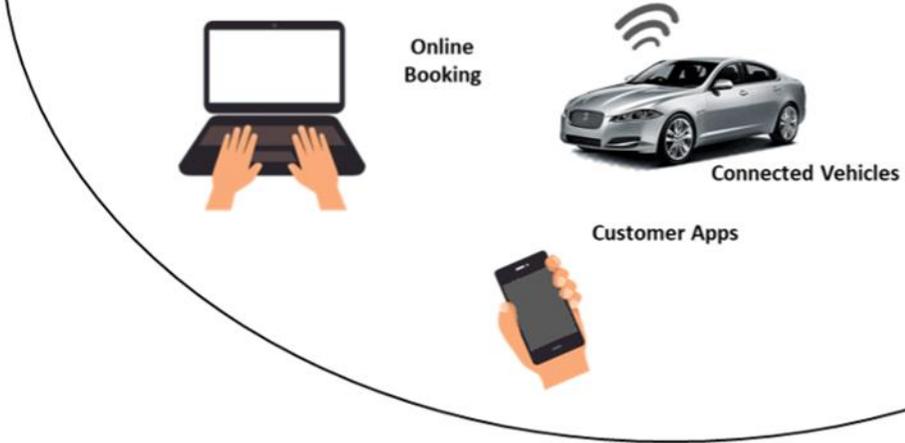
Parking Operators



Membership of NPP
(no procurement)



Customers



Customer Relationship
(open market)

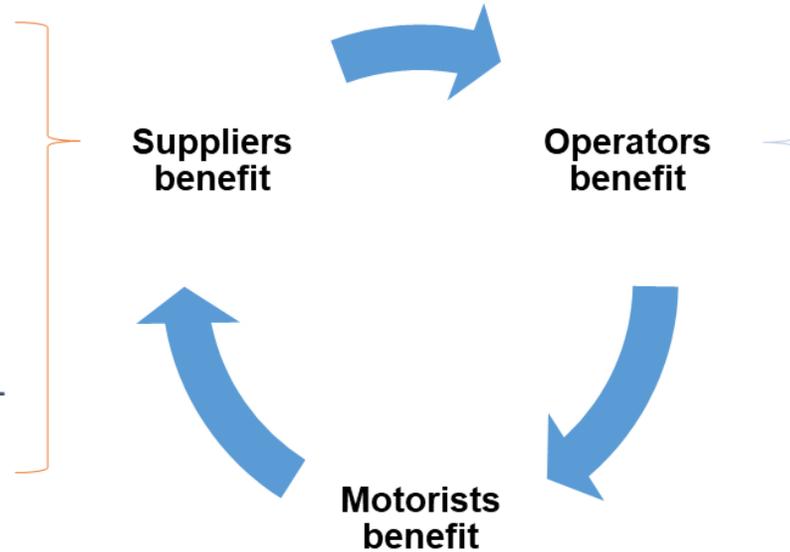
Single Contract with NPP
(due diligence)



The NPP creates the Multi Vendor environment...

The Benefits of an Open Market...

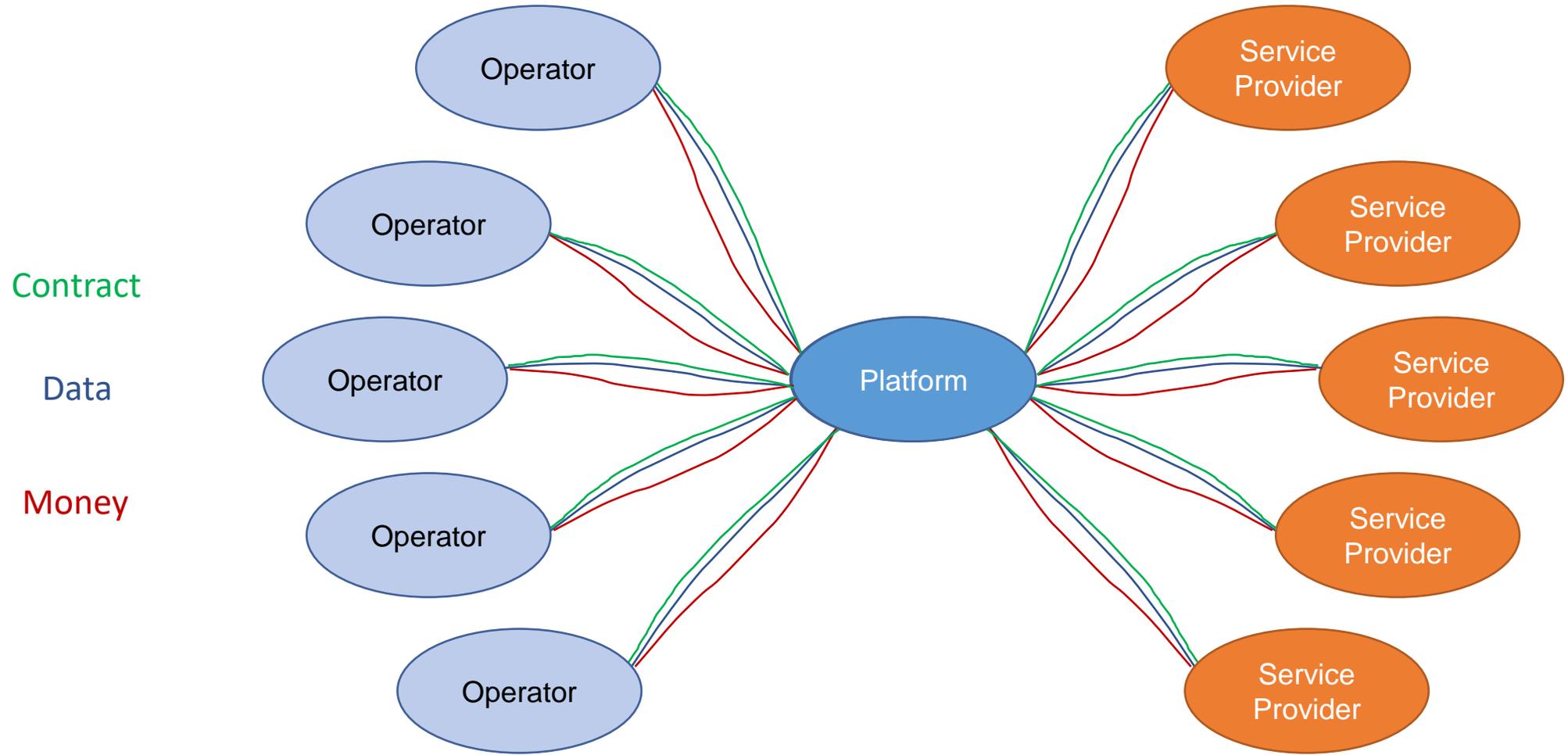
- Additional and predictable investment – securing long term access to the market
- Drive improved revenue stream(s)
- More coverage/enhanced footprint
- Increased usage*
- Enhanced focus on the consumer - innovation and providing a quality service



- Happier Visitors / Residents
- Increased digital parking
- Cost savings (even cost removal)
- Reduced procurement
- More innovation
- Better and enhanced data provision
- Potential for integrated solutions

- More choice
- Ability to use their favourite app
- Greater ease of use
- More innovation driven through competition for the consumer
- Resilience

A platform makes open market sustainable



How does it work in Practice?

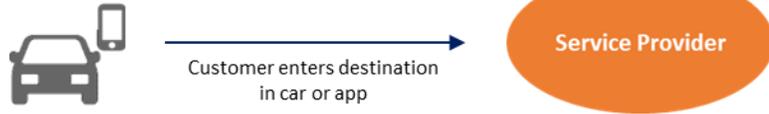


NPP Use cases

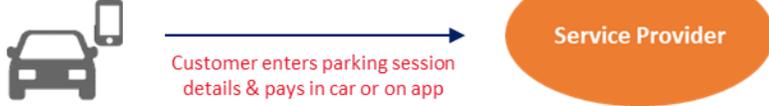


The NPP Pilots demonstrate the most common use cases. NPP pilots are supported by Manchester City Council. The use cases link the end customer and parking operator through a “Service Provider” (OEM platform or a customer account). Customers can access parking offered by any operator on the platform, paying through their Service Provider account.

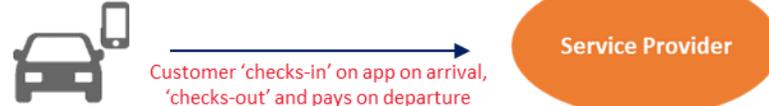
Availability (Use Case 1)



Payment on arrival (Use Case 2)



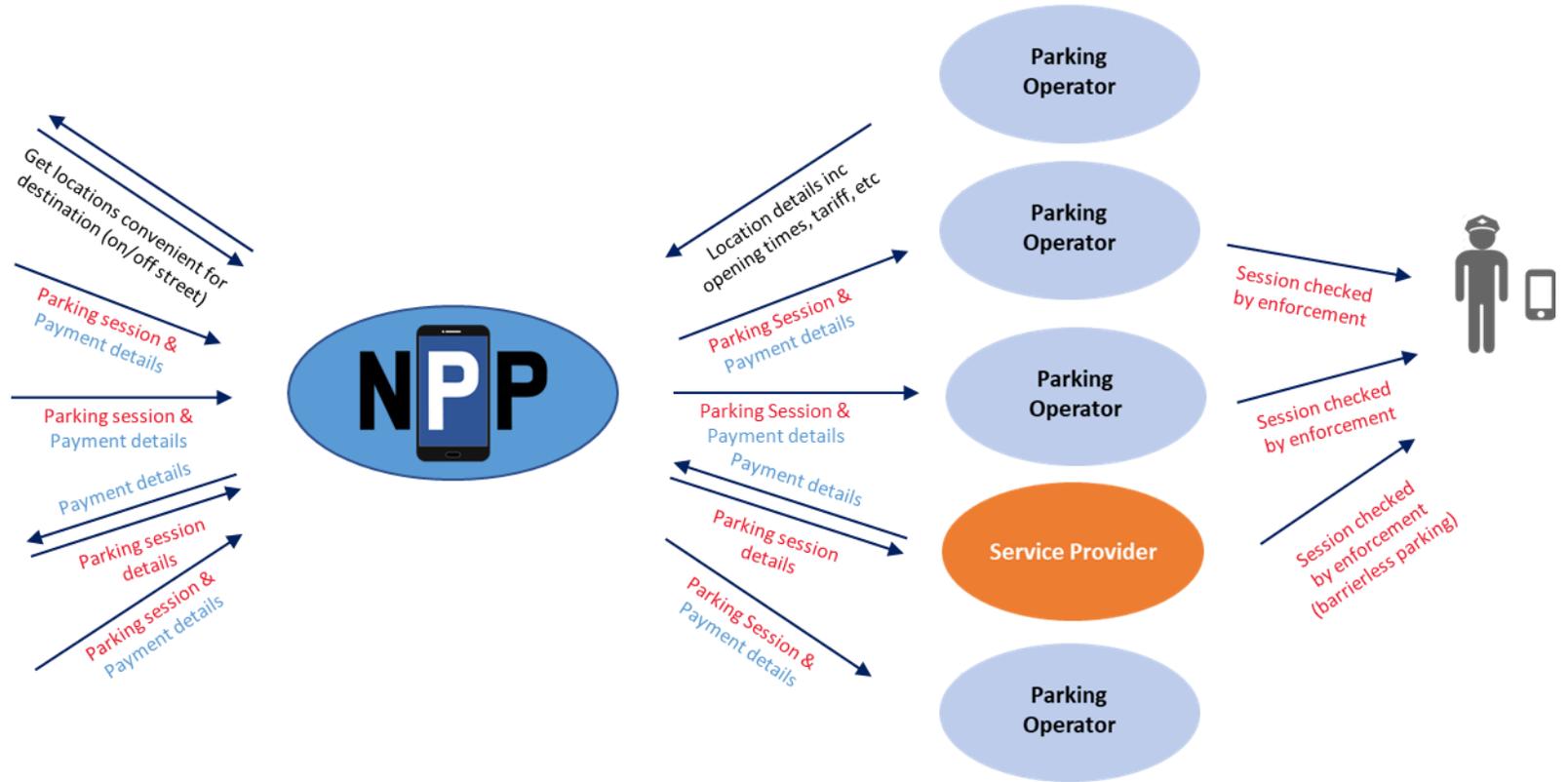
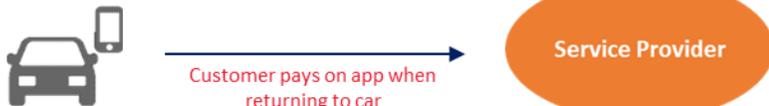
Pay on check-out (Use Case 3)



Frictionless payment (Use Case 4)

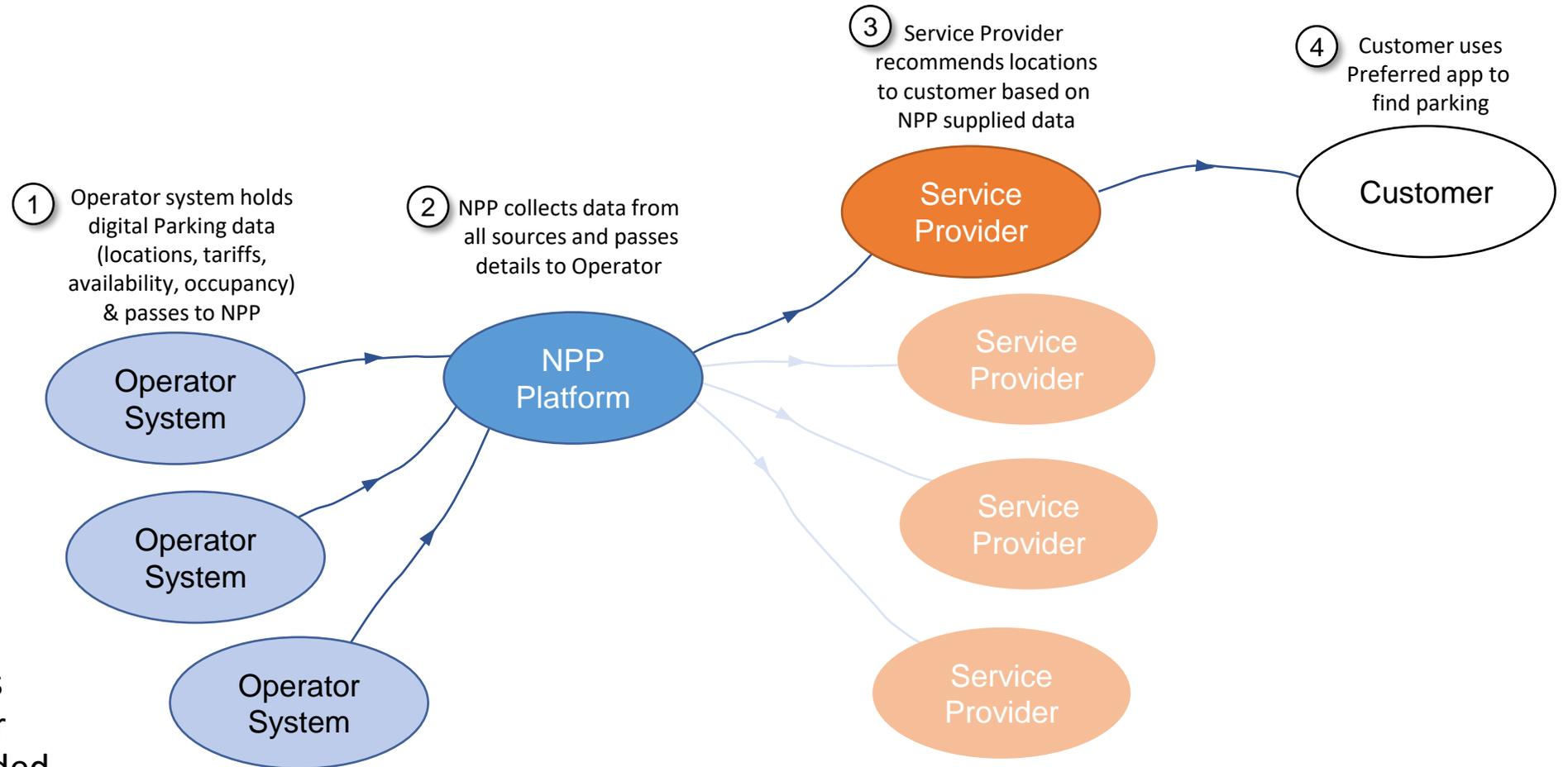


Pay on departure by app (Use Case 5)



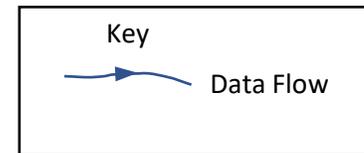
NPP Availability

(use case 1)



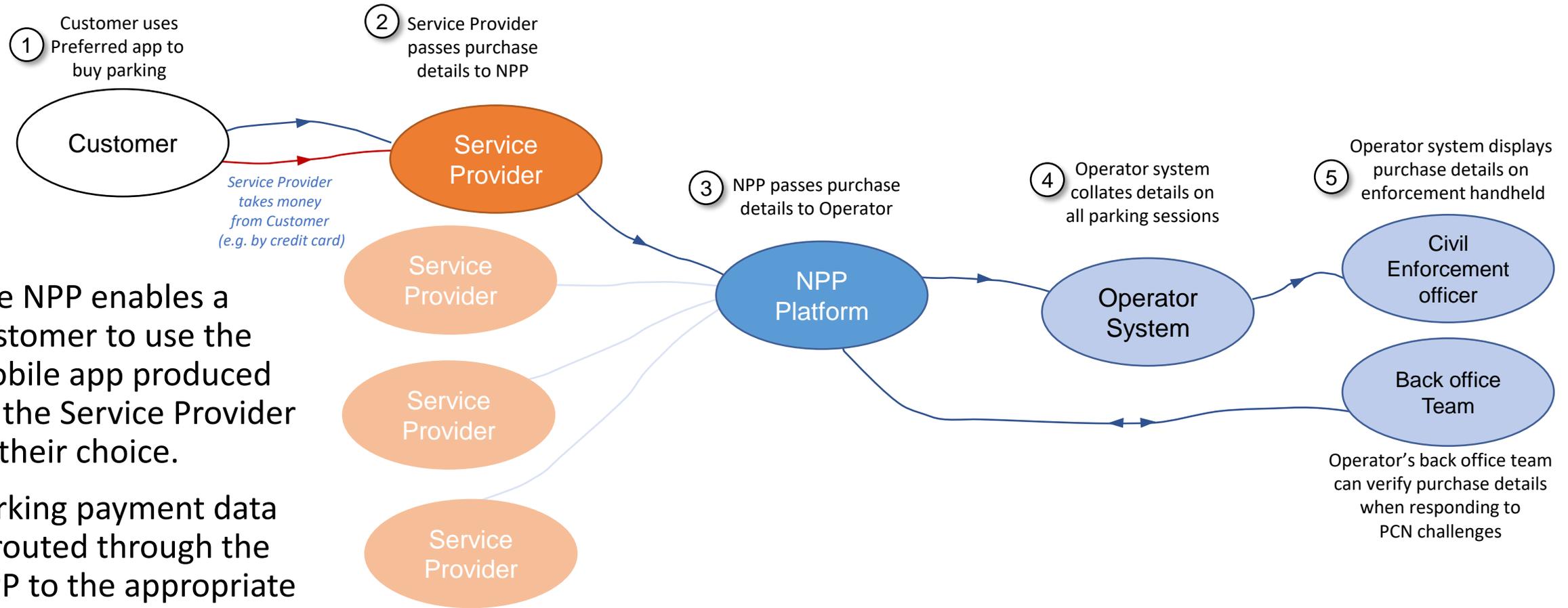
The NPP enables a customer to use the mobile app produced by the Service Provider of their choice.

Parking availability is sent to the customer based on data provided by operators.



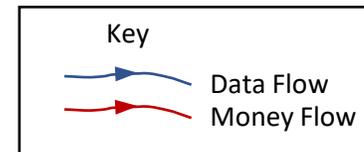
NPP Multi-vendor payment on arrival

(use cases 2&3)



The NPP enables a customer to use the mobile app produced by the Service Provider of their choice.

Parking payment data is routed through the NPP to the appropriate operator.



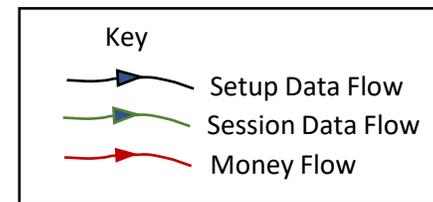
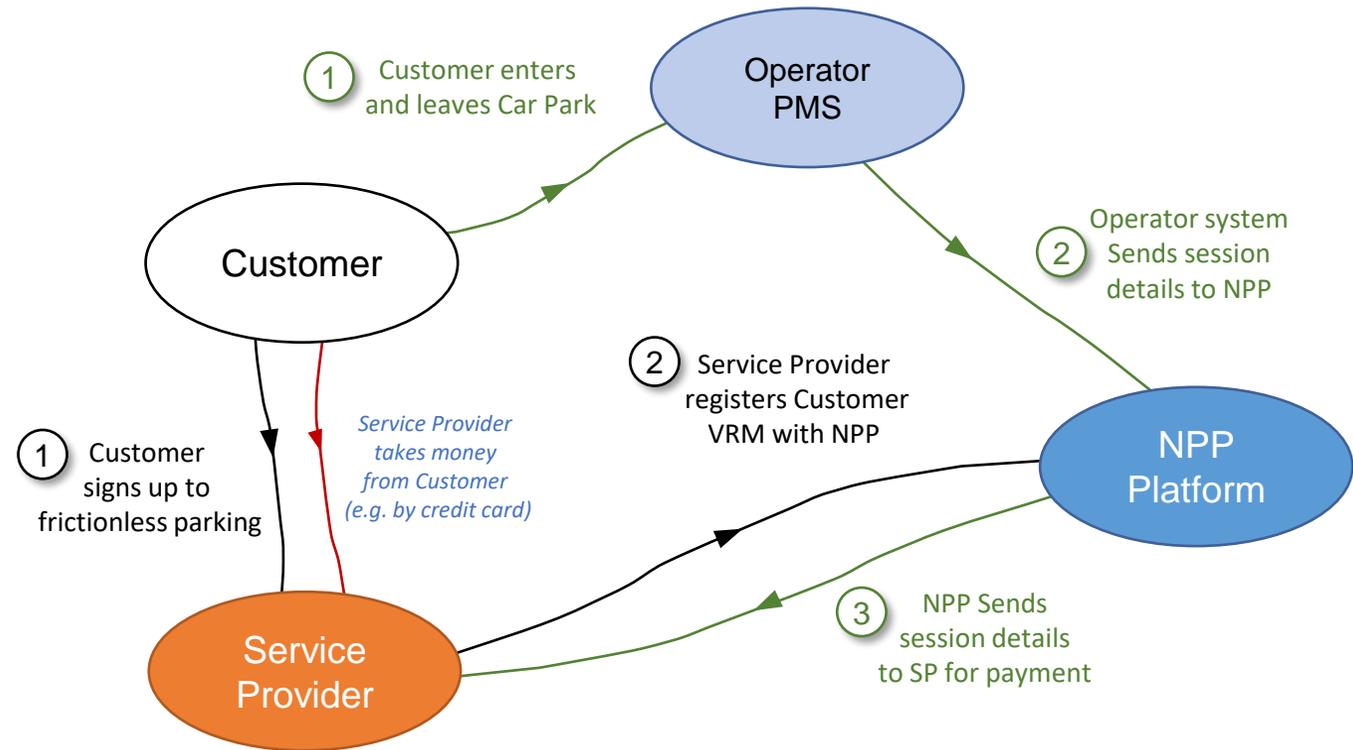
NPP multi-vendor frictionless parking



(use case 4)

The NPP enables a customer to sign up to their Service Provider of choice to pay for off street parking, enabling them to arrive and leave at will.

Parking payment data is routed between Operator and Service Provider through the NPP.

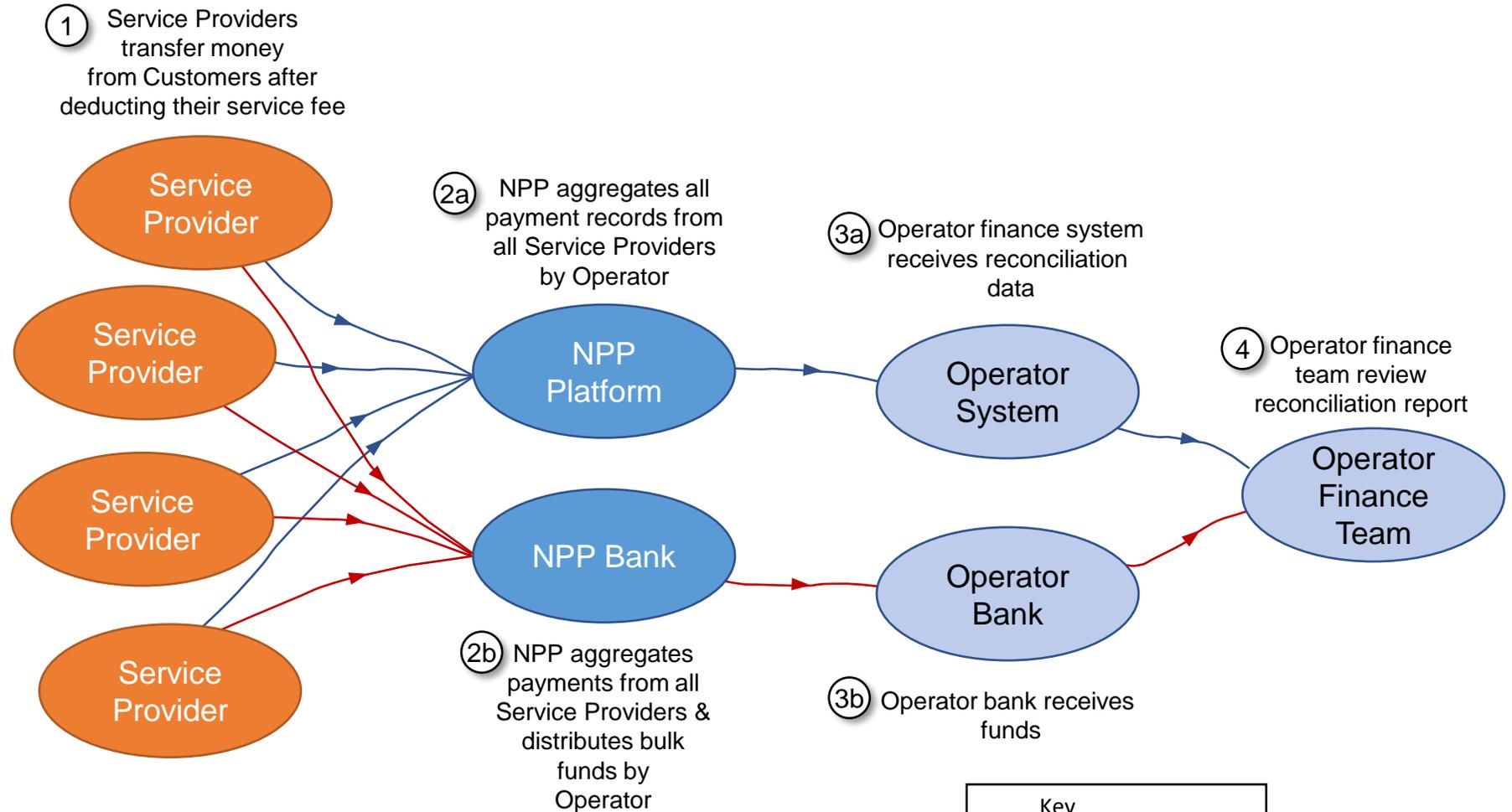


NPP simplifies funds transfer and reconciliation

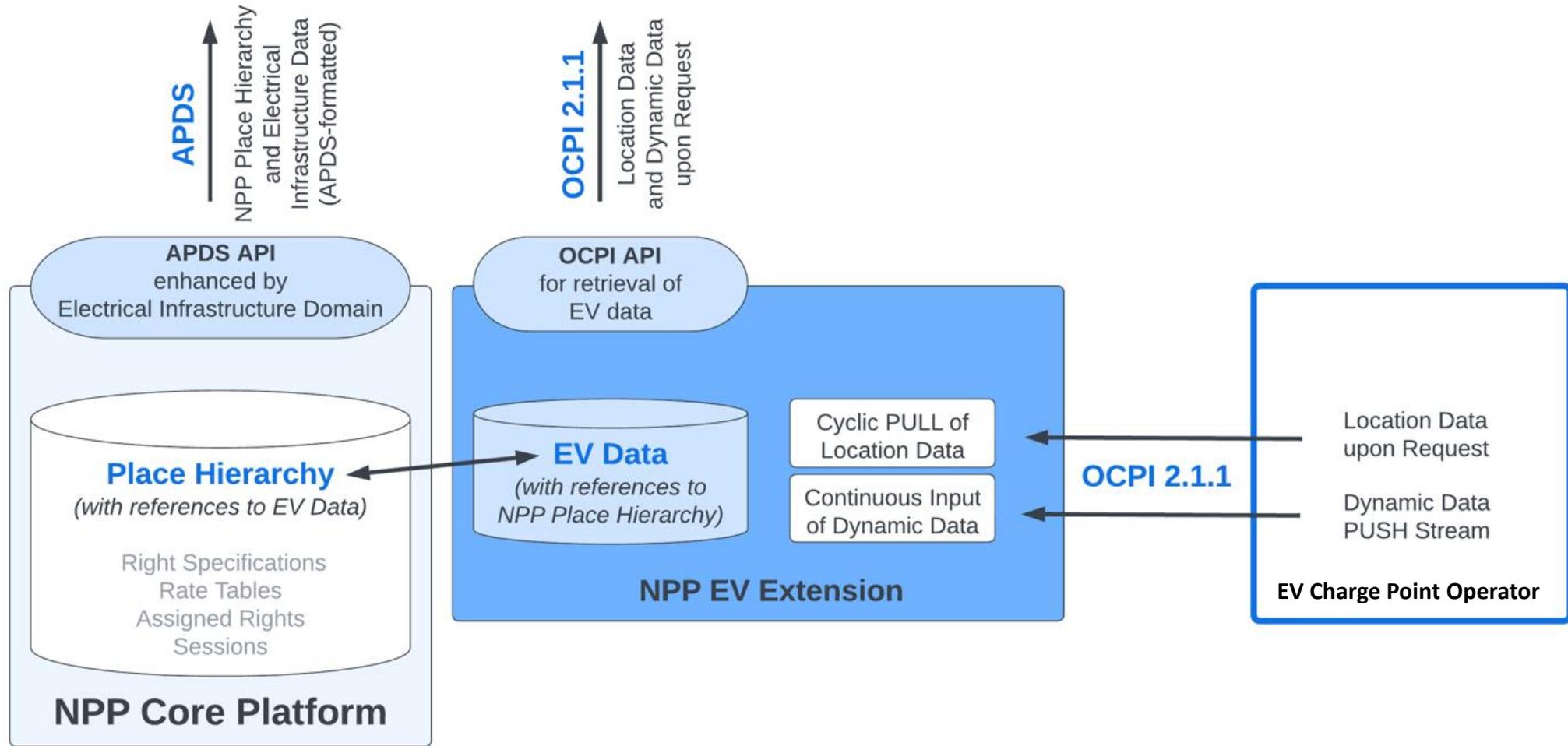


All payments made through the NPP are aggregated and sent on to the relevant operator.

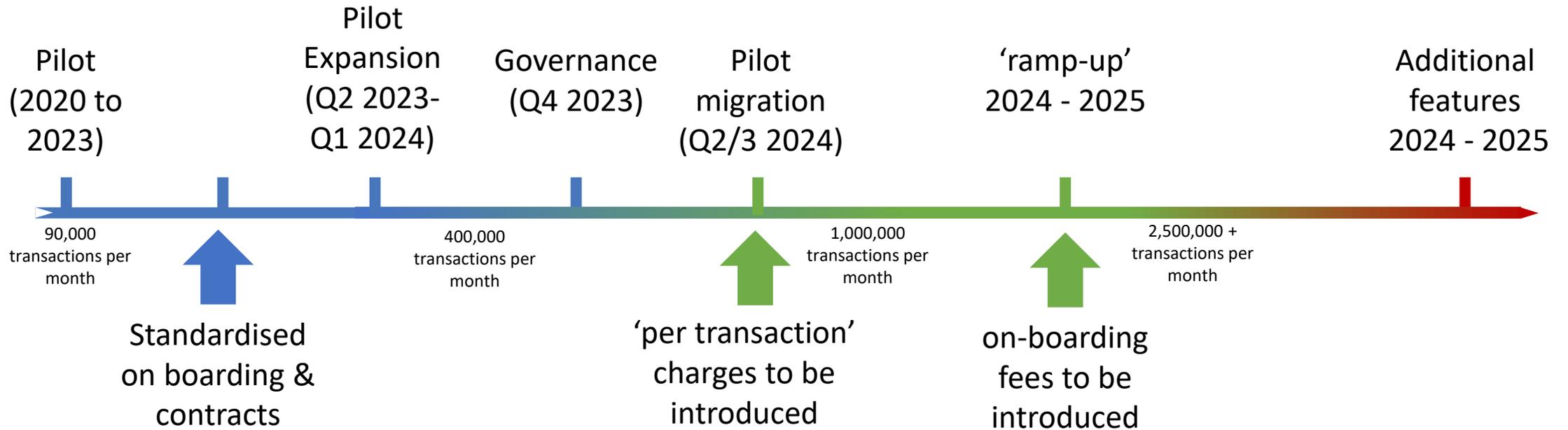
The NPP supplies all the data required to reconcile parking payments against amounts received.



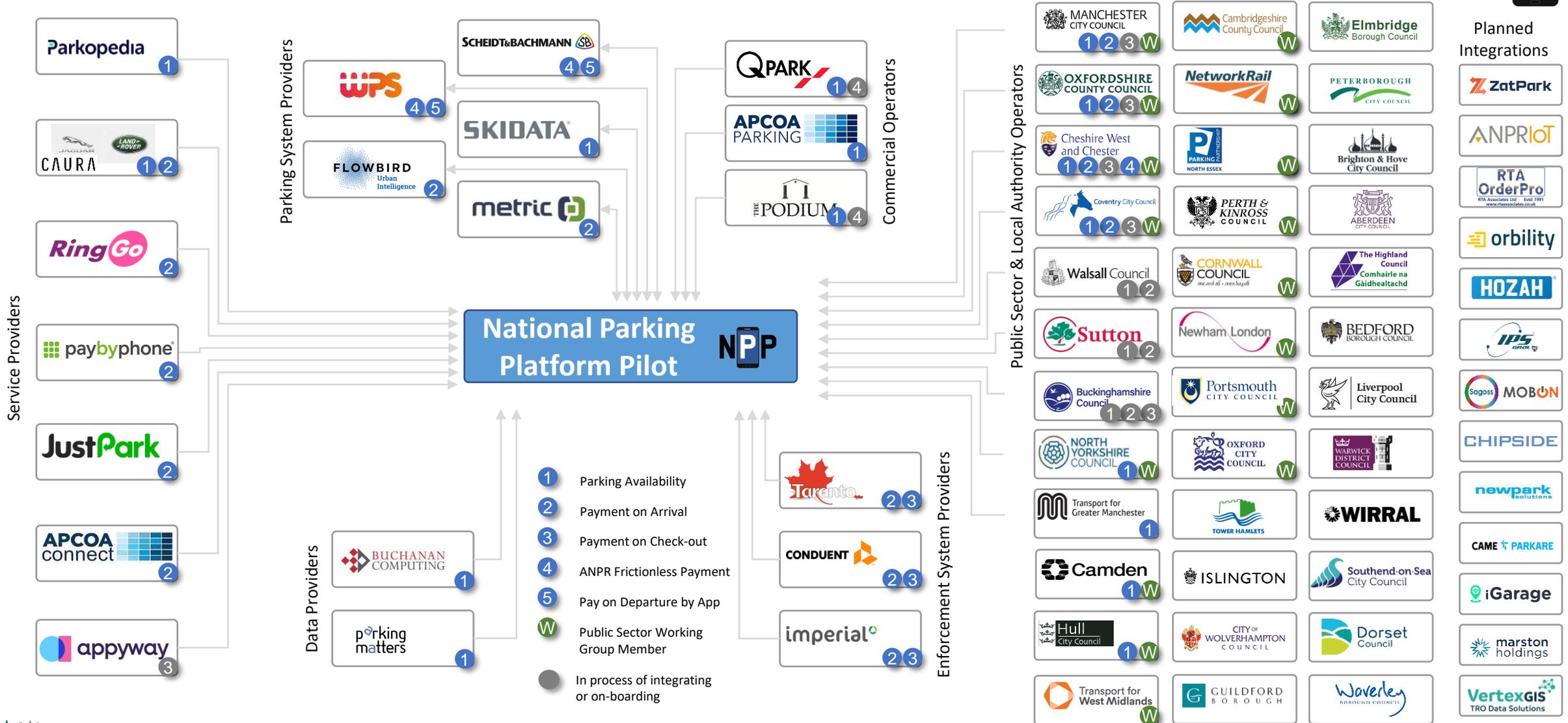
Adding EVCP information



Delivering the NPP



Partners & consultees



The Full NPP



What will the cost be for the full NPP?



- **A joining fee £15k***
(there is no joining fee for the pilot)
- **Support for integration £135 per hr**
(pilot offers 2 hrs free)
- **An annual fee £20k***
- **A transaction fee (Operators) 0.5p – 1.5p***

** based on current draft business plan*

How do we on board an MVP Service Provider?



Agreement to Join

Due diligence

Financial, legal, commercial

Technical track record

Contractual eligibility

Contracts

Review Data
Protection Agreement

Review Standard Contract

Sign Contracts

Technical

Assess Documentation &
integration requirement

Access staging
environment

Create compliant
integration

Configuration

Import Locations &
Tariffs (spreadsheet or API)

Check accuracy of tariff
calculations

Create account for
payments to NPP
(operators for Pilot)

Communication

Internal comms plan

External comms plan

Provide logo
(for Pilot)

Testing

Test locations & tariffs

End to end testing
(from payment to HHC check)

More details from our website...



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National Parking Platform

NPP – A Brief Introduction

Payment for parking is lagging behind developments in other markets and industries. Parking customers, both on-street and in car parks, face a fragmented market offering a wide variety of payment options making the simple act of parking and paying complex and confusing as options are dependent on where they want to park and which payment app they have (or don't have). The National Parking Platform (NPP) is a local authority owned and DfT funded pilot project that brings customer experience into the 21st century by facilitating data exchange, digital payments, and a new way of delivering better parking and mobility services. In essence, the NPP:

1. Provides a simplified and improved customer journey from start to finish for the end-customer
2. Creates a centralised and cost-efficient system supplying data to councils that can inform present and future strategic decisions
3. Enables a competitive, innovative market by allowing systems to communicate with each other via open data standards and interfaces (APDS/ISO TS 5206-1)
4. Is a publicly owned, not for profit, national facility that enables Parking Operators (public and private) to communicate digitally with Service Providers.