

A vertical image on the left side of the slide shows a close-up of an electric vehicle's charging port. A white charging cable with an orange stripe is plugged into the port. The vehicle's body is light blue and green. The text "ATELIER CITELEC – SEDI GRENOBLE 20 AVRIL 2018" is centered on the white background of the slide.

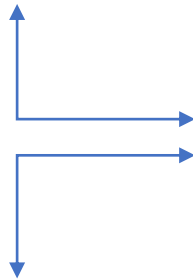
## ATELIER CITELEC – SEDI GRENOBLE 20 AVRIL 2018



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**Cas 1**  
Je suis abonné  
d'un opérateur de  
mobilité



SERVEUR VOCAL  
INTERACTIF



**Cas 2**  
Je ne suis pas  
abonné d'un  
opérateur de  
mobilité

## Etablir et entretenir une relation contractuelle et technique est coûteuse

Opérateur de Mobilité (EMP)



- Etablissement d'une relation commerciale B2B (SLA, prix, conditions générales)
- Etablissement d'une relation technique (dev, test)
  - Monitoring des flux de données en temps réel
    - Gestion des incidents
- Gestion des évolutions techniques et contractuelles
  - Billing/invoicing/Payment

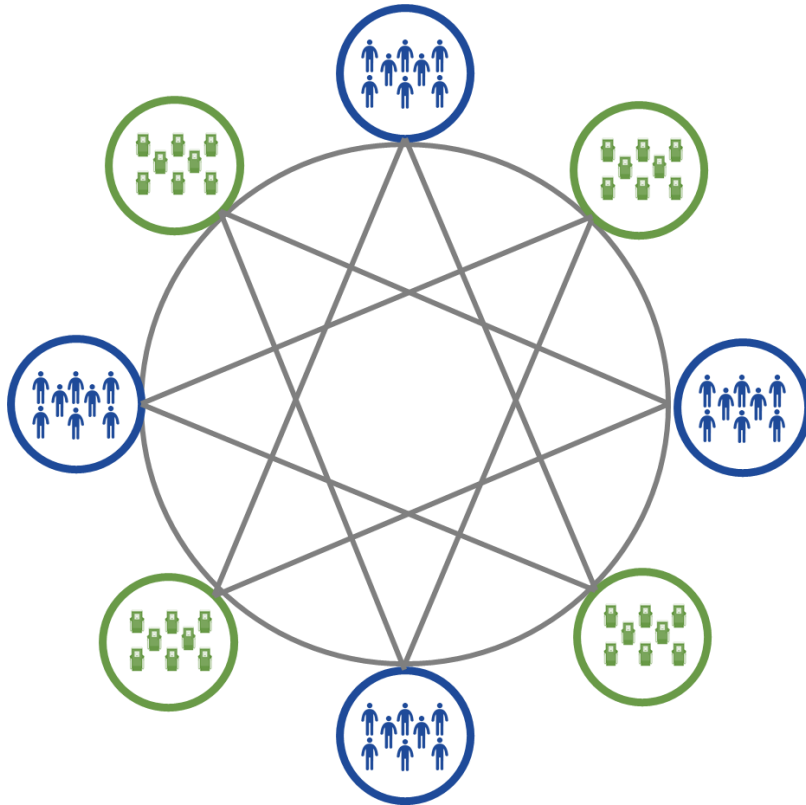


Opérateur de Charge (CPO)

# Itinérance de la recharge de VE

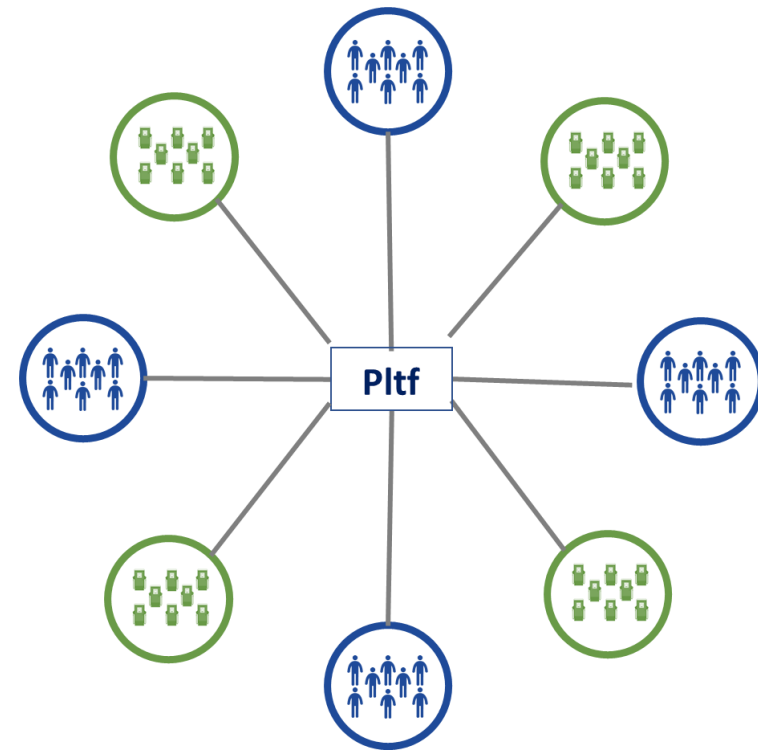
Plateforme versus connexion directe

## Modèle de connexion directe « point-à-point »



La complexité technique et contractuelle  
est gérée en interne

## Modèle plate-forme





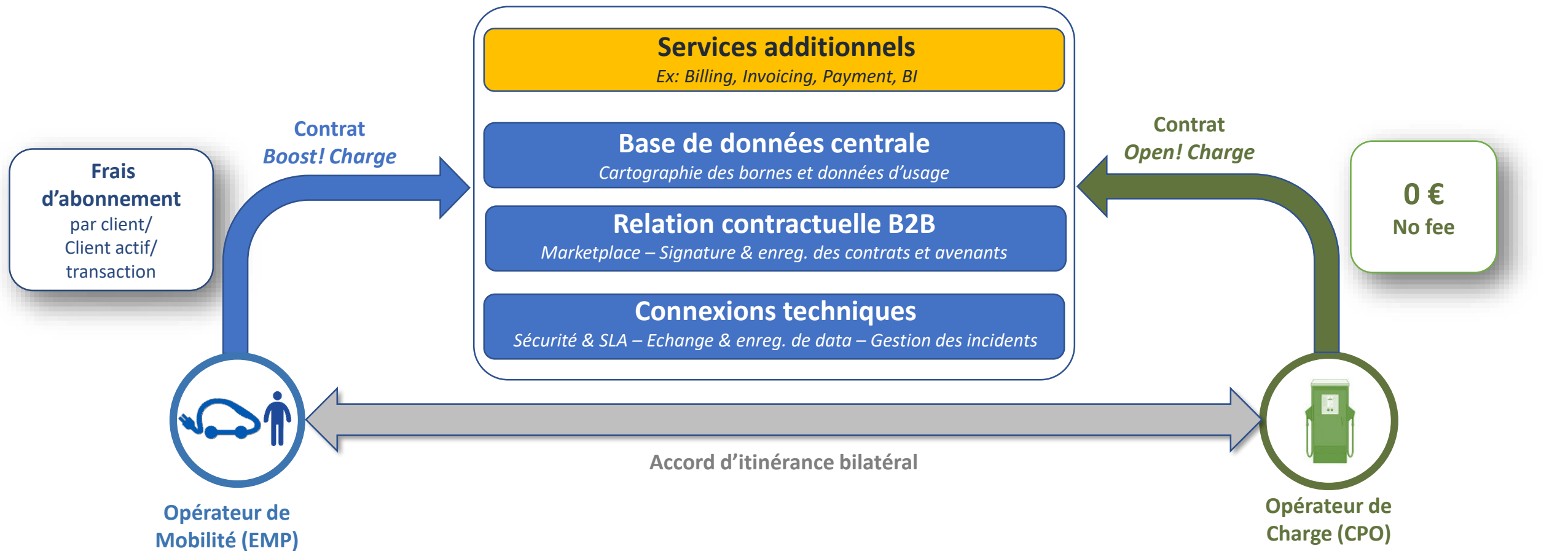
La complexité technique et contractuelle  
est externalisée vers la plate-forme d'interopérabilité

# Itinérance de la recharge de VE

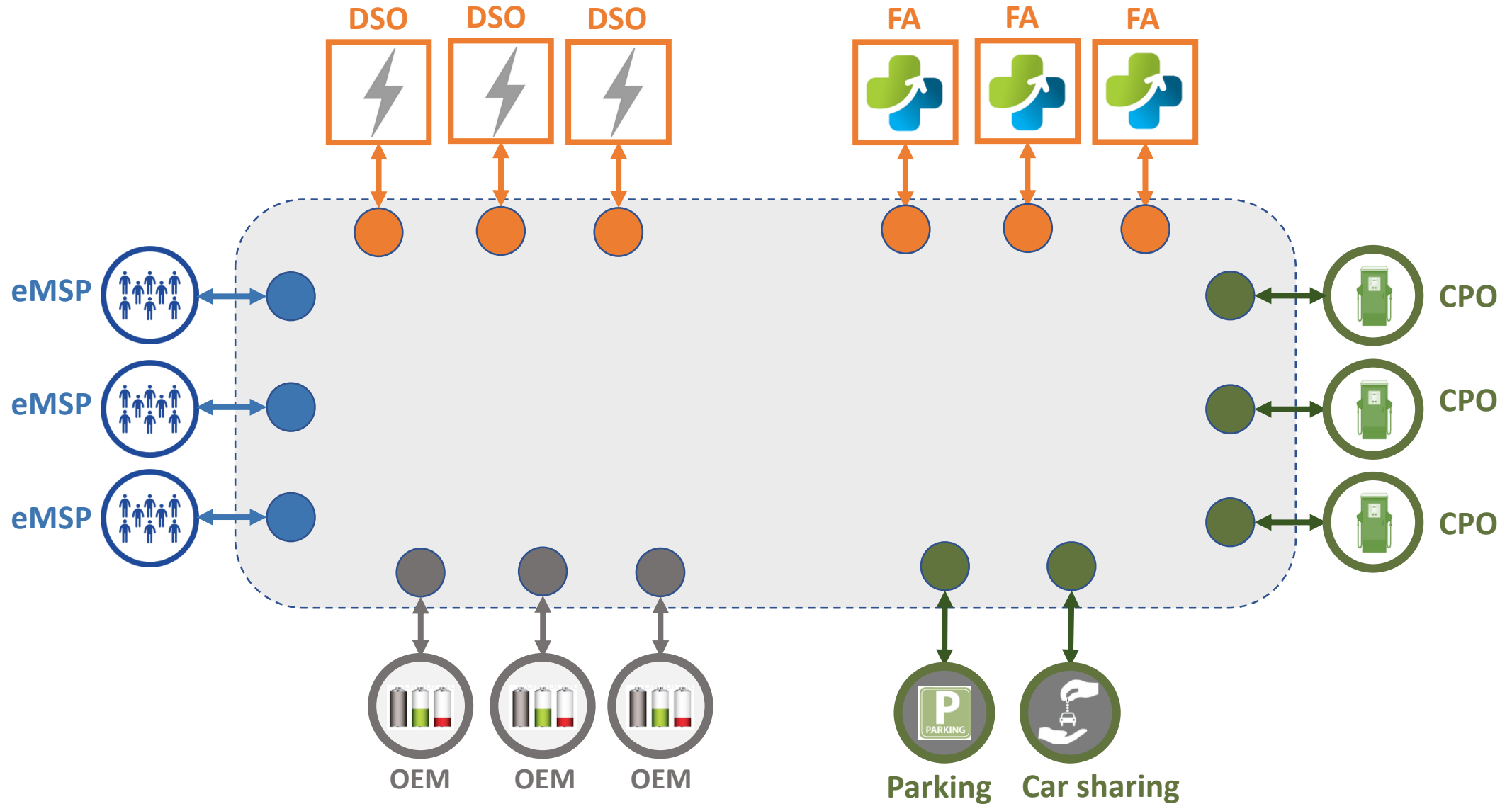
GIREVE: opérateur d'intermédiation






-  A développer
-  Déjà développé

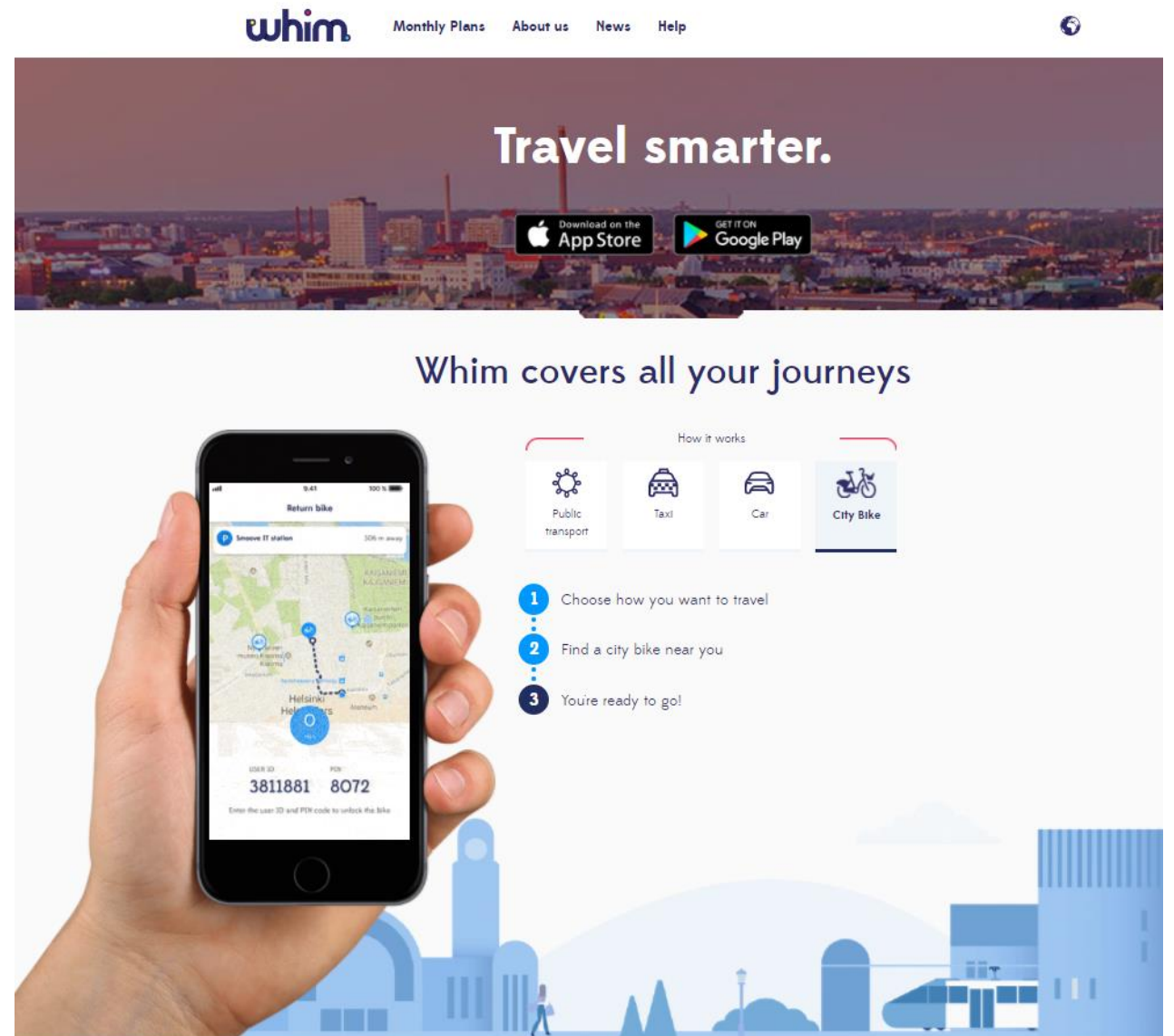


# Itinérance des services de mobilité: demain



Whim, un exemple d'agrégateur de mobilité intermodale dans la ville d'Helsinki en Finlande.

	<p><b>Whim to Go</b> For those who want to try Whim first or simply don't travel that much. Pay per ride, no commitment, no surcharges.</p>	0€ per month
	<p><b>Whim Urban</b> For regular travellers who could use the flexibility of a taxi or car occasionally.</p>	49€ per month (cancel any time) <b>INTRODUCTORY OFFER</b>
	<p><b>Whim Unlimited</b> Modern alternative for owning a car. At the price of owning a car you get unlimited access to public transport, taxi or a car according to your daily need.</p>	499€ per month (cancel any time) <b>INTRODUCTORY OFFER</b>



The screenshot shows the Whim website homepage. At the top, the Whim logo is on the left, and navigation links for 'Monthly Plans', 'About us', 'News', and 'Help' are on the right. A globe icon is also present. The main banner features the slogan 'Travel smarter.' with 'Download on the App Store' and 'GET IT ON Google Play' buttons. Below the banner, the heading 'Whim covers all your journeys' is followed by a 'How it works' section with four icons: Public transport, Taxi, Car, and City Bike. A three-step process is listed: 1. Choose how you want to travel, 2. Find a city bike near you, 3. You're ready to go!. A hand holding a smartphone is shown in the foreground, displaying the Whim app interface with a map of Helsinki and a 'Return bike' button. The app screen also shows a user ID '3811881' and a PIN '8072'.