# simdle
## mobility

# Versatile Software for On-Demand Mobility



## simdle
### mobility

**Services**

**Plan**

**Operations**

Operator Cockpit

Riders **CREATE**

**BOOK**

Hello,

Operator Cockpit **Luxembourg** ⌄

### Activities in real-time

SEARCH ACTIVITIES

**1234** Activity name  Service
Homer Simpson  10:45  17:45
IDBUS12 (current cap.: 2/7) - 50km/h
Operator X

UPCOMING TASK:
UM Woeller L-4410 Soleuvre (15:56)
Drop-off: Remi Jacques
Pick-up: Georges Faber

**1234** Activity name  Service
Jon Snow  10:45  18:45
IDBUS42 (current cap.: 5/7)
Operator X

Losch Digital Lab

9:41

**Welcome back John!**
**Where do you want to go?**

**Find a Ride**

⭐ **Favorites**

## Bookings

**Pick up information**

Licence plate  77-XN-65
Arrives in  00:02:00

## simdle
### mobility  **BOOKED**

1 Adult

Ⓐ ⟩ ⟩ Ⓑ

Date  Ⓐ **From**
23.08.2023  12, Boulevard Royal,...

Time  Ⓑ **To**
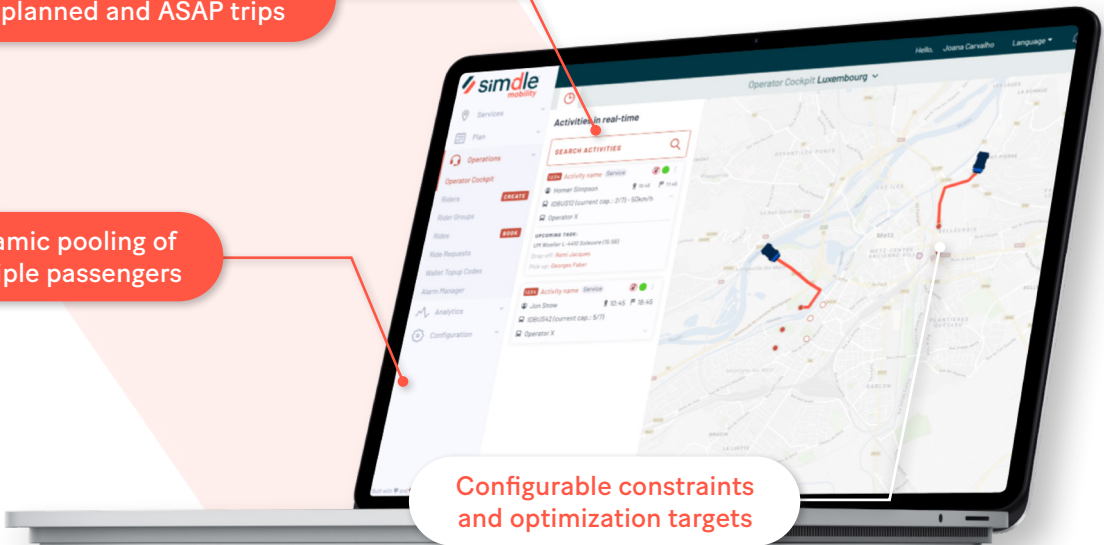11:25 - 11:36  Gare Centrale, Luxe...

Follow us on  in  ▶

# Simdle Optimizer

Achieve unparalleled vehicle productivity with our industry leading real-time routing and optimization algorithm.

**Automatic dispatching of pre-planned and ASAP trips**

**Dynamic pooling of multiple passengers**

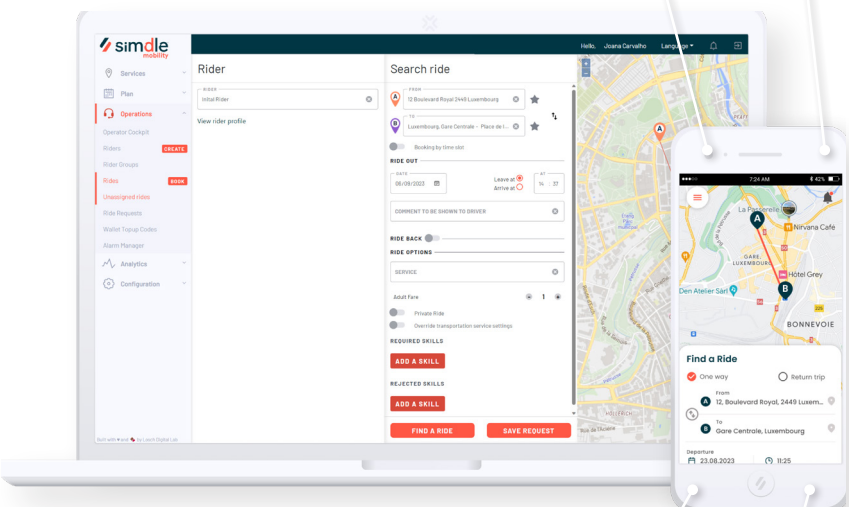**Configurable constraints and optimization targets**

# Multiple booking channels

Whether you operate a call center or empower your users with 24/7 booking on the web or through our Rider app, we have the right solution for you.

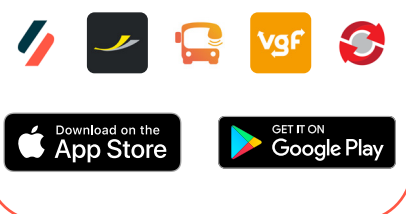**Web Booking**

**Push notifications, SMS, e-mail**

**Real-time vehicle location and ETA**

**Secure credit-card payments, cash, voucher or quota system**

**Accessible (WCAG 2.1 compliant)**

**White Label App**

Download on the App Store

GET IT ON Google Play

**Intermodal MaaS app & Third party integration**

Combined public-transport/ on-demand journeys using GTFS or VDV-TRIAS data.
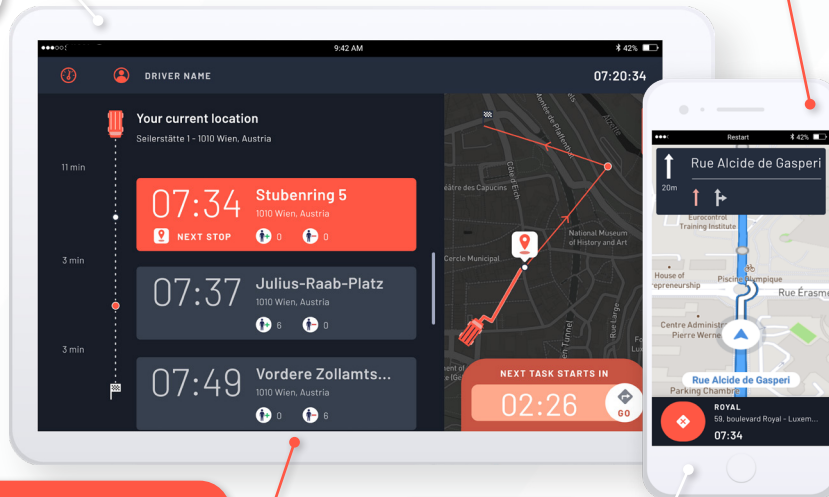
**Call Center**

# Simdle Driver

Our native android Driver app automatically connects drivers with their vehicles and tasks.

Available for smartphone and tablet

GET IT ON
Google Play

In-app turn-by-turn navigation and voice guidance (multilingual voice instructions)

Automatic alerts and re-routing

Offline navigation mode

Ticketing

# APIs

Integrate Simdle Mobility's solution into your existing IT-environment through our secured REST APIs.

# Data and analytics

Get the most out of your data. Instantly.

Access your data for KPIs and invoicing

SQL

Download your raw data in several formats

# Reinventing public transport in rural and urban areas

Replace expensive or poorly performing fixed-route bus lines with reliable and cost effective on-demand public transport.

Improve mobility in less densely populated areas or during off-peak hours.

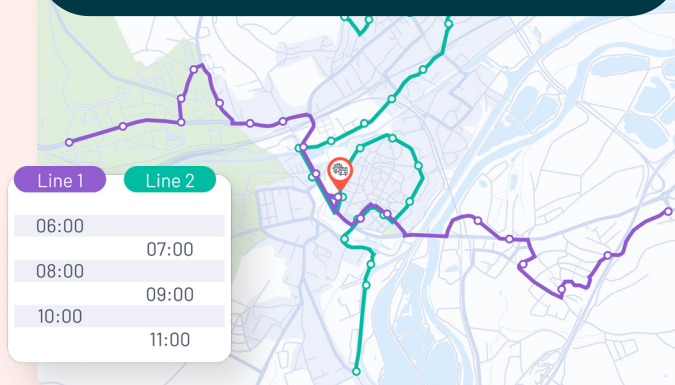Enhance access to local transport hubs.

Integrate seamlessly with your MaaS environment.



# Replace fixed-route bus lines with on-demand public transport

Increase service area coverage and reduce waiting times significantly, while reusing your bus fleet.

### BEFORE : Fixed schedule
low area coverage, long waiting times



| Line 1 | Line 2 |
|--------|--------|
| 06:00  |        |
|        | 07:00  |
| 08:00  |        |
|        | 09:00  |
| 10:00  |        |
|        | 11:00  |

- 1 vehicle, 20 passengers / day
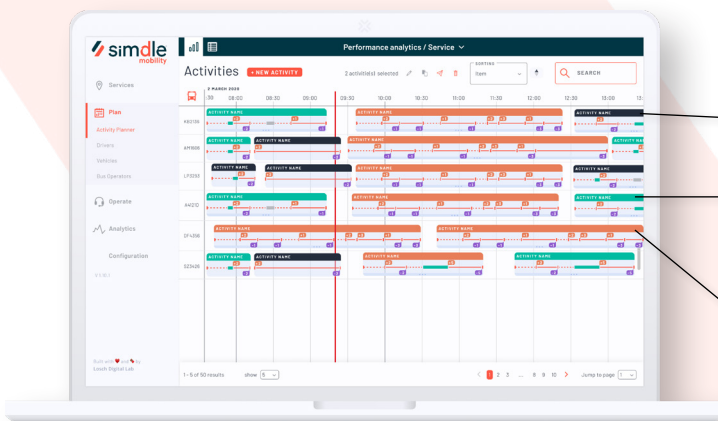- Up to 2h waiting time

### AFTER : On-Demand public transport
high area coverage, reduced waiting times
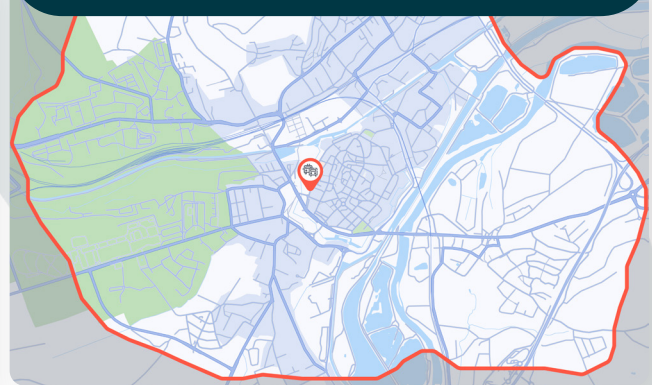


- 1 vehicle, 90 passengers / day
- 15 min average waiting time

# Handle varying demand patterns

Dynamically offer the optimal/best transport mode in response to changing demand patterns.



### Peak Hours : Directional demand
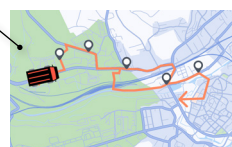
Fixed-route service

Corridor service



Directional transportation to train station or business park. Excellent connectivity between bus and train with coordinated schedules

### Off-peak hours : Sporadic non-directional demand



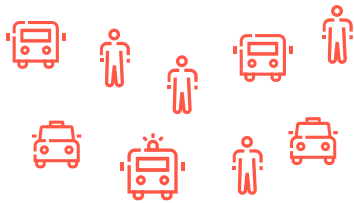Free floating on-demand transportation

# Achieve superior vehicle operating productivity

## PROBLEM

Most operators struggle to match demand and supply efficiently leading to low productivity.

### Supply side

Drivers and Vehicles

### Demand side

Passengers with various needs

CONSTRAINTS

How to match efficiently the **Supply** side with the **Demand** side?

CONSTRAINTS

## SOLUTION

Simdle Optimizer engine matches the operator's resources (drivers and vehicles) with different types of demand, taking multiple service and optimisation criteria into account. Each vehicle can now offer multiple services with each service having its own service parameters.

# 21%

proven productivity increase

Matching resources with demand...

CONSTRAINTS

CONSTRAINTS

7am          8am          9am

**School Transport**

**Public Transport**

**Airport Transfer**

**Taxi Sharing**

**Paratransit**

## Unprecedented flexibility and true automation

The Simdle Mobility platform enables operators to dispatch a large number of pre-planned and ASAP rides.

Automated redispatching allows immediate incident handling.

Cut operating costs by automating your entire process with features like 24/7 self-booking, payment, auto dispatching, incident handling, and invoicing.

## Simdle Mobility versatile software works at large scale with a mixed fleet of vehicles



Sedan, Van, Shuttle and Bus

# Well proven use cases

Our solution has proven itself in various use cases, all having specific requirements.

- Public transport
- First-Last-Mile
- School Transport
- Paratransit
- Airport and trainstation transfer
- Taxi Sharing

# Our full service support

We know the challenges you are going to meet and how to support you.

- Project management
- Integrations
- Staff training
- Full set-up
- Data migration
- 24/7 support

# They trust us!

ÖBB

POSTBUS SHUTTLE
Ein Unternehmen der ÖBB

maltatransfer.com

vgf

Badia Bus

EASY MOBIL

CHOICE CAR

ODI wir4 mobil

Adapto

Silbernagl

KUSSBUS

# Losch Digital Lab

## Building software with passion

The **automotive industry** is changing tremendously, bringing a lot of new challenges. New mobility concepts, digitalized workflows, modern and mobile platforms: the requirements are versatile. At Losch, we are proactive in tackling digital transformation and we are involved in shaping it ourselves.

Losch Digital Lab was created in 2018 to bring new technological solutions in the field of mobility and to support the Losch Group by digitizing internal processes, but also to provide software solutions to external partners and customers.

With our **talented** and **creative** team, we realize the improvement of existing applications and their transformation into new technologies.

**We develop software solutions, from software architecture to interface design, testing and deployment, according to the needs of our customers.**

Currently, Losch Digital Lab employs more than 40 designers and engineers spread across its two locations in **Kockelscheuer** (Luxembourg) and **Oporto** (Portugal). The management of is in the hands of **Roman Entinger.**

**Simdle Mobility** is an integral part of Losch Digital Lab's product portfolio.
The software solution is designed a **SaaS** (Software-as-a-Service).

# simdle
## mobility

We make sure no vehicle runs
emptier than it should!

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