

Flexible Engine, a highly secure European cloud



Business
Services

OCRE

Open Clouds
for Research
Environments



restena

Who we are

1

**What we are
proposing**

2

**How to
engage us**

3

**How we think
we can help**

4

Who we are



**Business
Services**

143000

**Employees
worldwide**

256 million

Customers globally

500+

start-ups supported

3 900

**AI, Data & Digital
experts**

3000+

MNCs

2 400

Cloud experts

7000+

Registered patents

700 million€

on R&I



2 100

Cyber defense experts

230 In Europe

in 2019

100+

Research partners

8 000

**employees in
Research & Innovation**

Orange @ Luxembourg combines Orange Luxembourg, Orange Business Services and Business & Decision entities.

5G launch in November 2020 with 50% of territory covered by end of 2022.

Data Science, Chatbots, Dashboarding,
Communication via WEB & Intranet
International network



80.2

million
turnover
(2019)



231
employees



199 thousands active
SIM cards
in Luxembourg



CO₂ neutral



Combining mobile, fixed and Internet solutions
Combining Data Intelligence with digital solutions.

99.5%

national 4G
coverage



CARRIER
GRADE
fiber
network



Specialized in data
journey and customer
journey.

Network native Digital
services company.

Cloud is at the heart
of our Engage 2025
strategic plan

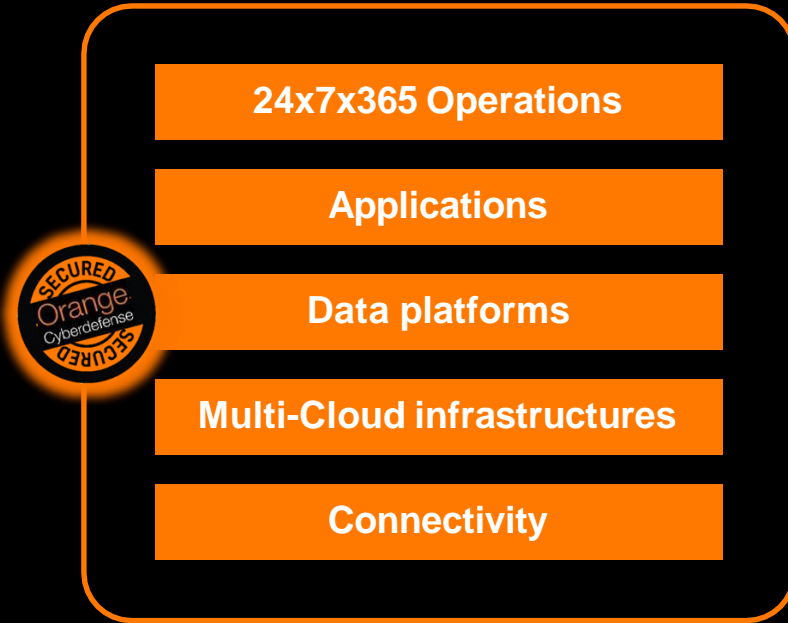


Engage
2025

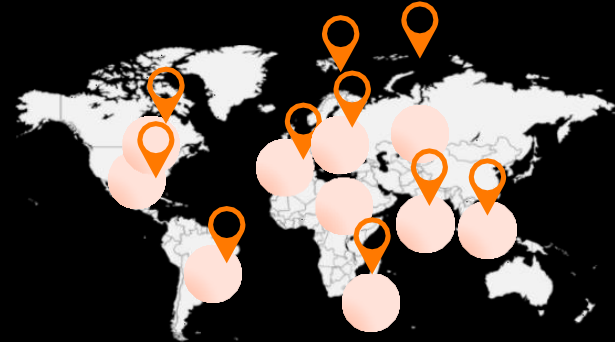
**“Accelerate the development
of IT services”**

Offering unique capacity to deliver trusted multi-cloud foundations, globally

End-to-end Service offer



Global reach



5 MSC, 16 SOC, 10 CSO, 12 CCoE, 70+ DC



What we are proposing

Flexible Engine

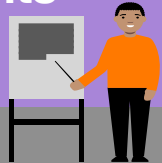
Orange public cloud solution



3+ workshops
per year and
per Country



Solution
compliant
with all minimum
requirements



21/21
Countries awarded



Luxemburg

a **Collaboration Model** aligned to promote the adoption of cloud services

Exclusive conditions for infrastructure and support services

- network “peering” with Géant
- waiver of outbound charges





European Cloud platform
with 6 data centers in Europe,
Local Contracts,
full GDPR compliant,
Designed, built and operated by Orange.

Based on  **openstack™**,
the most widely deployed and
supported cloud
infrastructure.



**Flexible Engine to be
part of Gaia-X
ecosystem, with
Orange as a
founding member.**



GAIA-X

Highly certified



**A complete IaaS solution
with a wide range of
PaaS features**



With a secured perimeter designed by
Orange Cyber Defense.
24/7 SOC (16) and CyberSOC (10)

Supporting

17 200

Virtual machines

32 500

Terabytes stored

2 100

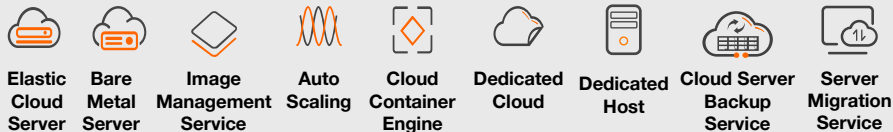
Customer domains

99,99%*

Service guarantee
(99,998% in 2020)

Flexible Engine Services

Compute



Data Analysis



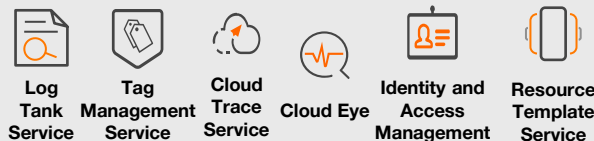
Storage



Management



Database



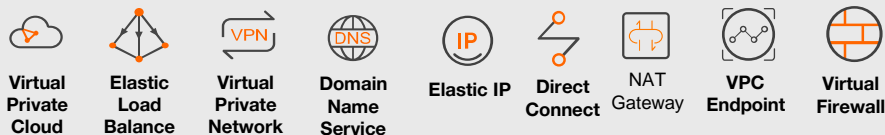
Network



Security



Application Services



Including advanced services



ModelArts

Artificial Intelligence PaaS, single platform to integrate and label data, train models, manage inference and deployment of models, all thru an intuitive interface.



Label data



Train model



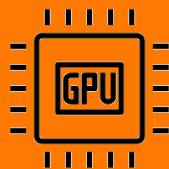
Deploy model

Cloud Container Engine (CCE)
a fully integrated GaaS
following Kubernetes
community releases.



GPU flavors

with NVIDIA cards enabling high-performance computing, graphics applications or artificial intelligence processing.



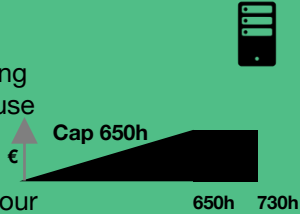
Cloud Search Service (CSS)
distributed search service, fully compatible with Elasticsearch, providing the ability to search structured and unstructured data.



A flexible pricing structure

Computing

- Minute granularity billing
- Discount for monthly use
- OS billed on top per hour
- Discount with reserved
 - 1-, 2- or 3-year plan
 - with or without upfront



Storage

- **Block Storage**
 - Hourly billing
 - GB granularity
- **Object Storage**
 - Hourly billing
 - GB granularity
 - degressive price >50TB
 - put and get requests



Network

Data from Flexible Engine to Public IP

- by GB by Month
- degressive price >10 000GB
- Inbound traffic from internet : free

Direct connect

- one time charge
- by Month

VPN aaS: hourly

Floating IP: monthly

Load Balancer aaS : hourly



Database

Database services: hourly



Security

Security services: **included**



Data analysis

- MRS : billed on top of VM price
- MLS : per service
- DIS : per partition
- DPS : per activities



Orchestrator

Included



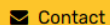
Dashboards

Included



How to engage us

Because it has to be easy to start discussing together, we are implementing multiple options



option in the **OCRE CLOUD CATALOGUE**



OCRE landing page



ocre.orange@orange.com



registering for our regular webinars



attending our regular webinars thru Cisco WebEx™

(slot to be proposed)



Stéphane Theys
stephane.theys@orange.com



Eric Prunier
eric.prunier@orange.com



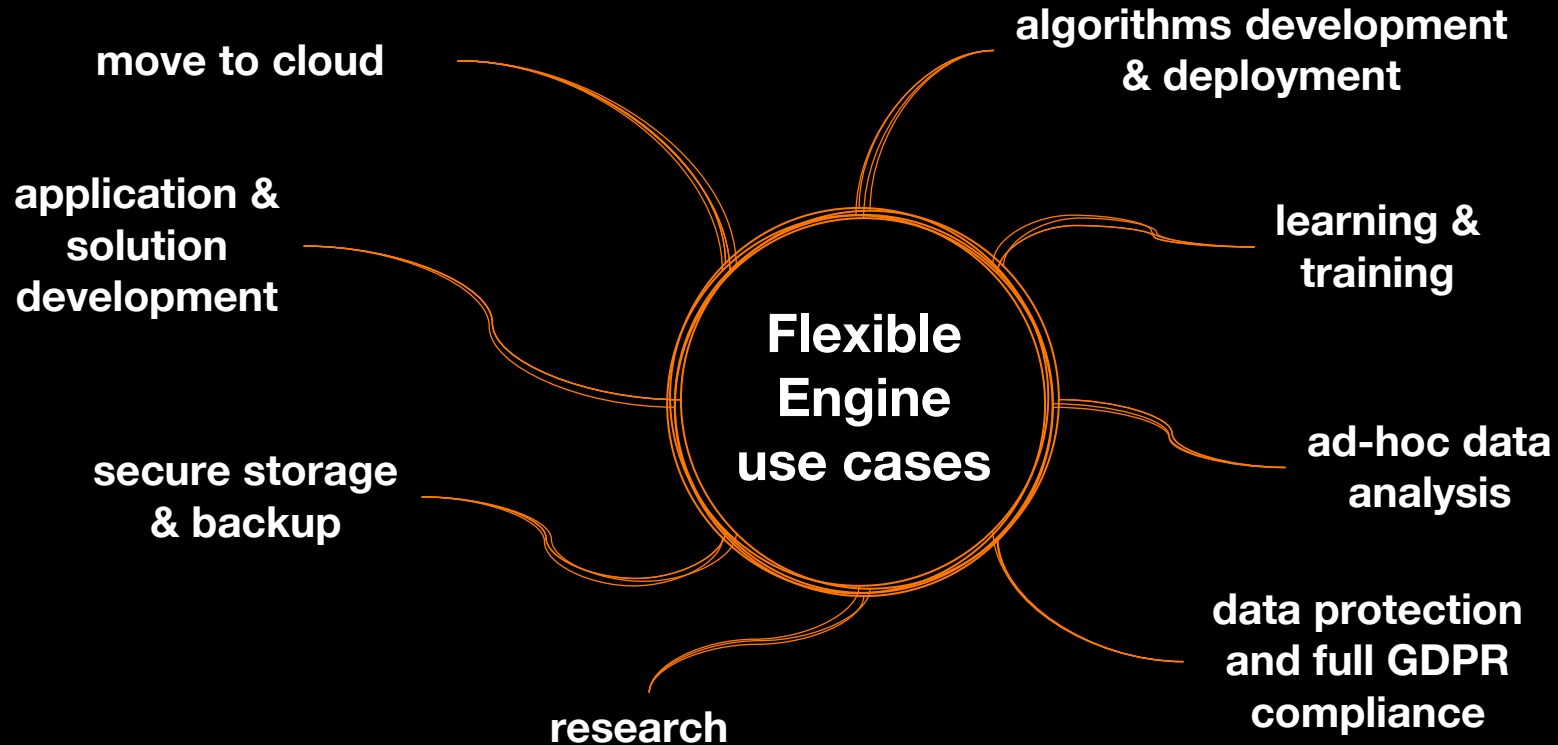
Jean-Sebastien Berneyron
jean-sebastien.berneyron@orange.com



Efraín García
efrain.garcia@orange.com

How we think we can help

Supporting multiple use cases



With clear benefits

**Full-
service
platform**

full suite of
IaaS & PaaS
in constant
evolution

**Cost
effective
solution**

plus OCRE
specific
conditions

**Open
source
based**

agile and
flexible,
avoiding
vendor lock-in

**Service
oriented**

professional
services, support,
clinics and
webinars

**Up to 3-
months
free trial**

with no financial
risks or
guarantees

Open discussion



in Luxemburg
since 2004



Cloud at the
heart of our
strategy



**Business
Services**

Flexible Engine,
Orange
public cloud



performance
and
open-source



secured by
Orange
CyberDefense



GAIA-X Trusted Cloud

highly available

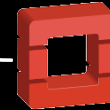


Flexible Engine

cost effective



Flexile Engine Stack



openstack™

financial predictability



roadmap by Orange



full GDPR compliance





Thank you!

More information in our website
cloud.orange-business.com/en/ocre-flexible-engine/

Contact us at
ocre.orange@orange.com

Annexes

sobloo

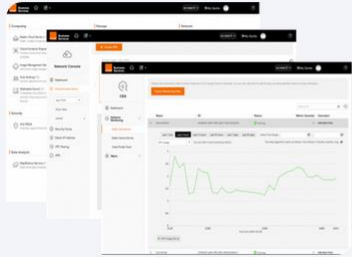
DATA INFRASTRUCTURE MARKETPLACE HELP

Cloud Services

HOME | INFRASTRUCTURE | CLOUD SERVICES

sobloo infrastructure relies on Flexible Engine public cloud solution operated by Orange Business Services and based on OpenStack™ technology.

Description



sobloo IaaS (Infrastructure as a Service) solution allows you to manage your virtual infrastructure from an online console.

- A smart elastic service with auto-scaling functionalities.
- The ability to manage one or multiple regions and easily implement your high availability strategy.
- Open and documented APIs will allow you to easily administrate your platforms and gain agility.
- 100% digital access to your infrastructure: rights management, monitoring, management of your resources and network parameters, ...
- A pay-per-use model without commitment



Security
.COM

PRESERVE DIGITAL TRUST

LOGIC
-IMMO.COM

UBALDI
.com



soblos

nuabee

wilmar



Business
Services

AIRBUS



Midea



OCS

STRATIO

IIOX
Industrial Internet of Anything

CHANNELFRET
INTERNATIONAL

OCRE | Open Clouds
for Research
Environments





Thank you!

More information in our website

cloud.orange-business.com/en/ocre-flexible-engine/

Contact us at

ocre.orange@orange.com