



Bonnes pratiques de migration vers le cloud

Julien SIMON, Principal Technical Evangelist, AWS
@julsimon

Laurent PULCE, CIO, Veolia Global Enterprises
Pierre KERRINCK, Cloud Transformation Manager, Veolia

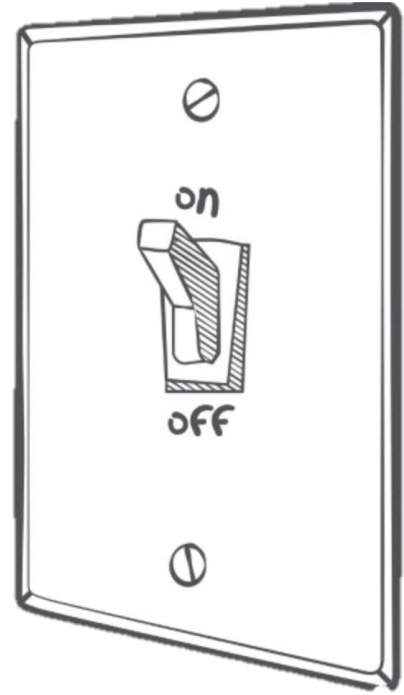


2006

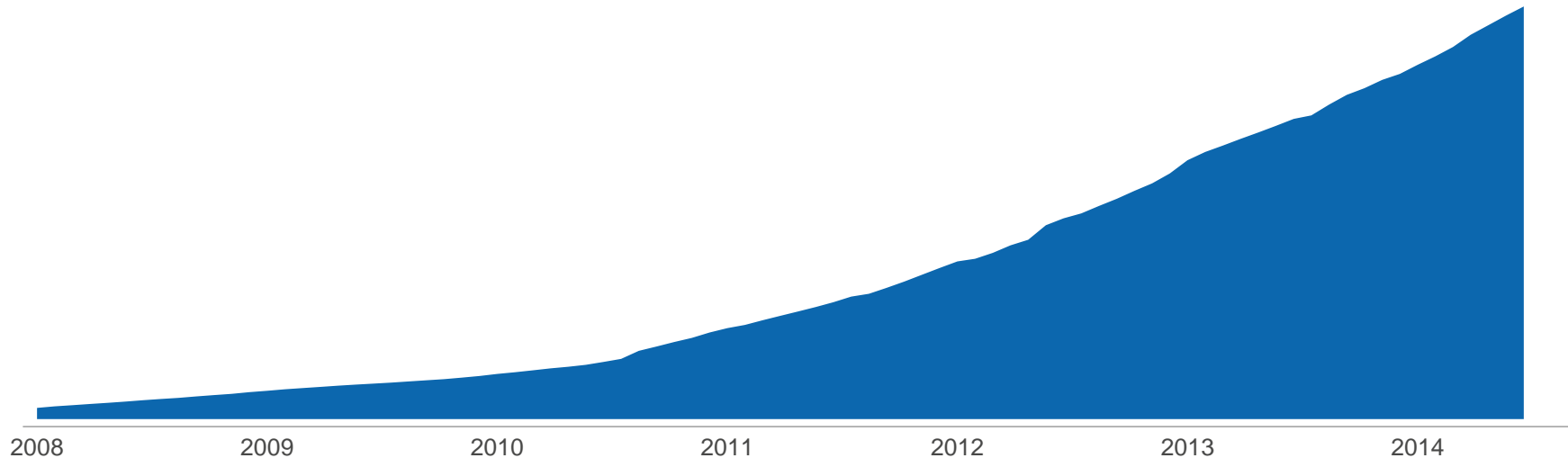
“Why cloud computing?”

Today, the Benefits Are Very Well Known

- Self-service: everything an API call away
- Move from CAPEX to OPEX
 - Pay as you go
 - Low cost of experimentation and failure
- Focus on business value, not on heavy lifting
 - Managed services
 - Built-in scalability
 - Built-in high availability
 - Built-in security



2016: Over 1 Million Active Customers



"Active customer" is defined as a non-Amazon customer with AWS account usage activity in the past month, including the free tier

Increasing Efficiency

Lift and Shift



10% - 30%
cost reduction

1 – 3 months

Increasing Efficiency

Lift and **Shift**

Optimized for Cloud



10% - 30%
cost reduction

1 – 3 months



30% - 50%
cost reduction

3 – 9 months

The Journey to the Cloud

Lift and Shift



10% - 30%
cost reduction

1 – 3 months

Optimized for Cloud



30% - 50%
cost reduction

3 – 9 months

Cloud Native



50% - 80%
cost reduction

3 - 12 months



Laurent PULCE

CIO, Veolia Global Enterprises

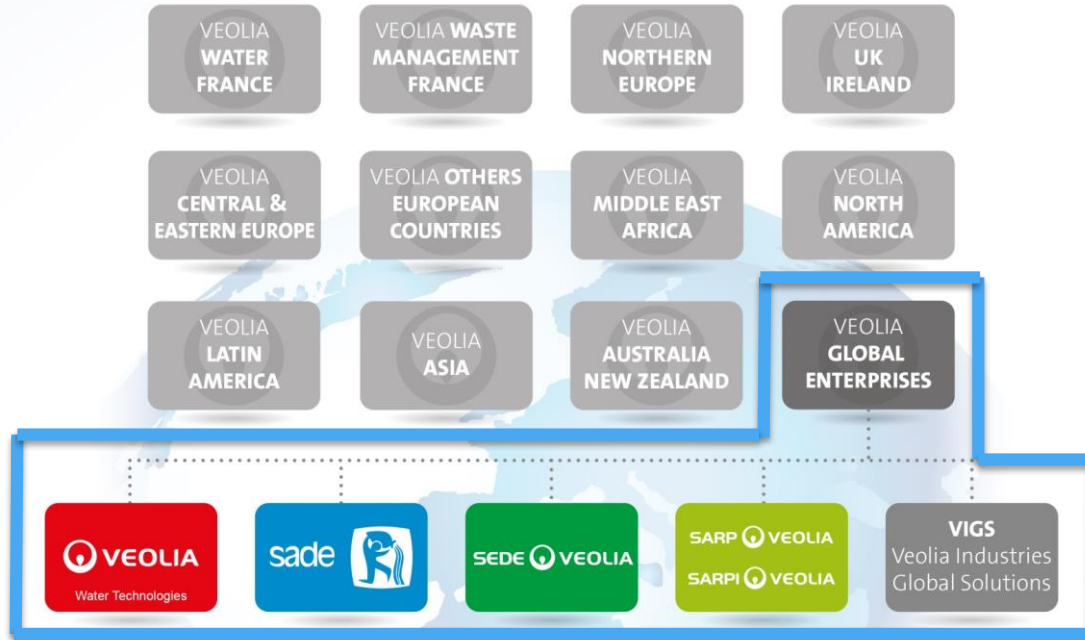
Pierre KERRINCK

Cloud Transformation Manager, Veolia



Veolia Global Entreprises in Veolia

Veolia



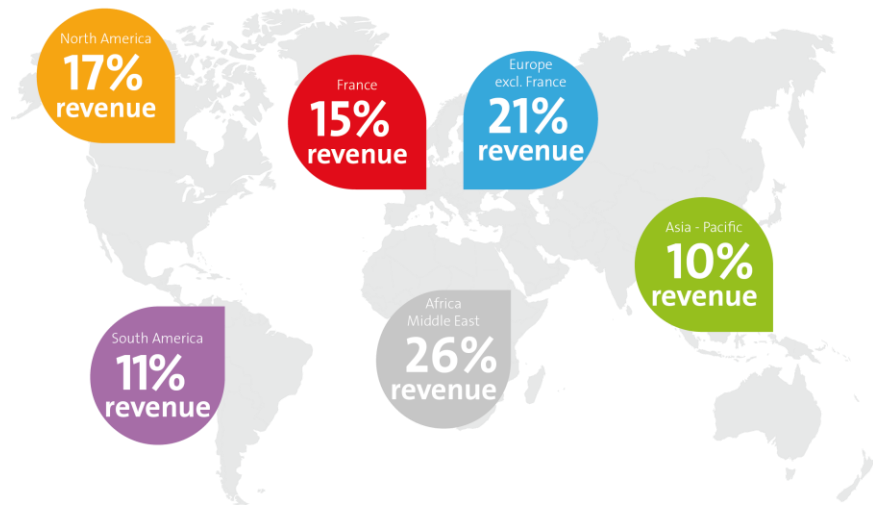
- ✓ Around 5B€ Revenue
- ✓ Technology companies
- ✓ 80% of Veolia patents

Focus on Veolia Water Technologies

€2.3
billion
revenue



9,500
employees



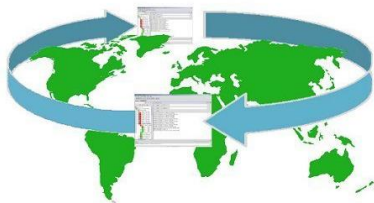
Focus on Veolia Water Technologies



Veolia Water Technologies provides the complete range of services required to **design, build, maintain** and **upgrade water** and **wastewater** treatment facilities and systems for **industrial** clients and **public authorities**.

Which challenges drove us to AWS ?

Improve Operational Efficiency



- ✓ 50+ countries
- ✓ Centralized apps
- ✓ 24/7 operations
- ✓ 95% to 98% availability
- ✓ Performance !!
- ✓ Strong security requirements

Face the Digital Business initiatives



- ✓ As a technology company strong push from the business to move forth
- ✓ IOT (cf Hackathon), Remote maintenance, on line BI, machine learning

Address properly Financial constraints



- ✓ Capex to opex switch
- ✓ Allocate resources to the future (build) not to the past (run)
- ✓ Get flexibility to innovate & test
- ✓ Cost transparency & mastering

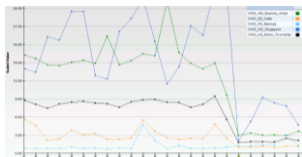
But also...Give perspective to our IT Teams



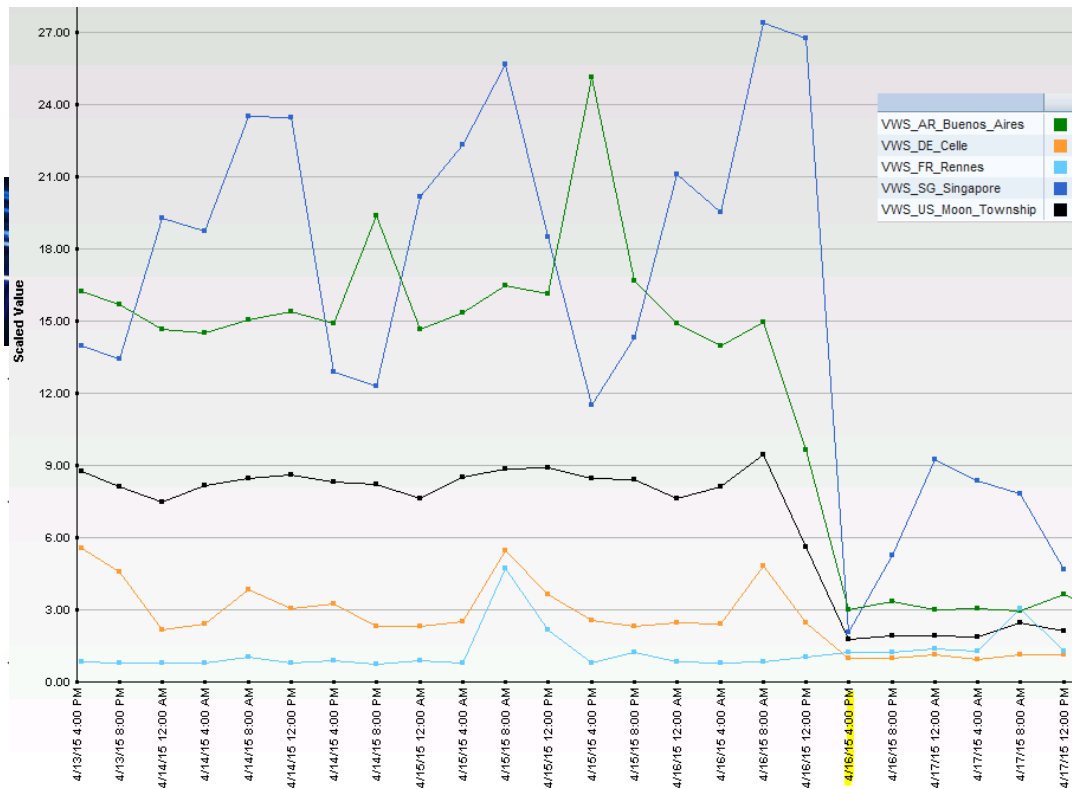
- ✓ A company strategic asset
- ✓ Fuel & stimulate innovative mindset
- ✓ Focus on business not on facilities
- ✓ Be part of the new IT World

So far, already a lot of benefits

Improve operational Efficiency



- ✓ Fine tuning of the server sizing
- ✓ Stability
- ✓ Redundancy
- ✓ Enhance performance thanks to AWS components (elasticsearch, RDS,...)



Embark the whole IT team



- ✓ A real transformation
- ✓ A very good team work
- ✓ New things to learn, to experiment, to create
- ✓ New concepts which change the way to think

Still a lot of upcoming opportunities

Lift & Shift

➤ A few

- ✓ Elastic Compute Cloud
- ✓ ElastiCache
- ✓ RDS Service
- ✓ Simple Storage Service

Adapt

➤ Mainly

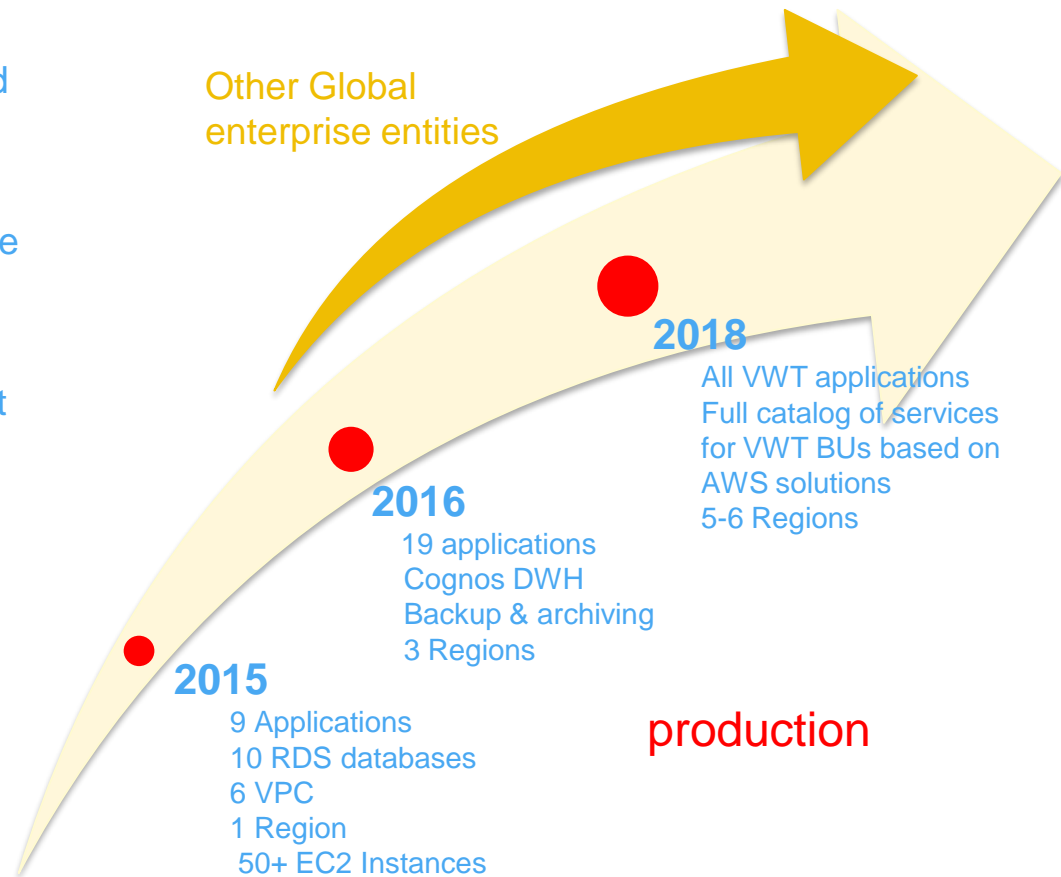
- ✓ Virtual Private Cloud
- ✓ Direct Connect
- ✓ Identity & Access Mngt
- ✓ Elastic search

Adopt new solutions

➤ A lot to come

- ✓ Aurora, DMS
- ✓ Quicksight
- ✓ Redshift
- ✓ IOT Platform
- ✓ Machine learning

Other Global
enterprise entities



Des questions ?

Pour aller plus loin

<https://aws.amazon.com/whitepapers/>

AWS Cloud Adoption Framework

A Practical Guide to Cloud Migration

Modernize Your Microsoft Applications on AWS

AWS Well-Architected Framework

<https://aws.amazon.com/fr/awsomeday/>

Prochaine édition le 28 juin à Paris

<https://aws.amazon.com/fr/events/>

AWS User Groups



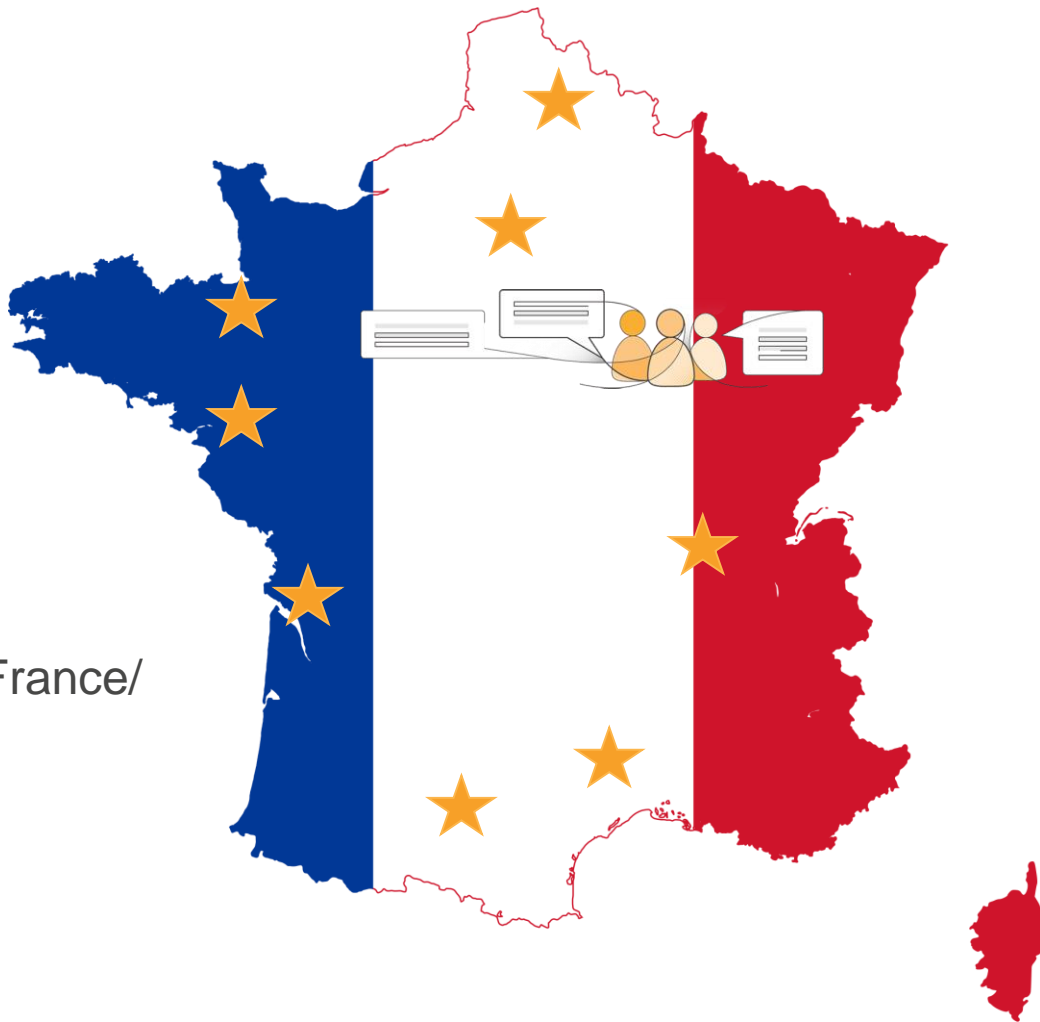
Lille
Paris
Rennes
Nantes
Bordeaux
Lyon
Montpellier
Toulouse



facebook.com/groups/AWSFrance/



[@aws_actus](https://twitter.com/aws_actus)



AWS

S U M M I T

Merci !