

# KEYNOTE

## Sustainable HPC & AI perspectives at CGG

Animée par Agnès Boudot  
9h15 – 9h30



**Agnès Boudot**  
EVP HPC & cloud  
solutions  
**CGG**



# SUSTAINABLE HPC AND AI PERSPECTIVES AT CGG

Agnès Boudot  
EVP HPC and Cloud Solutions



# A growing scope of businesses at CGG

## CORE BUSINESSES



### Geoscience

Established leader in subsurface imaging, geology and geoscience services.



### Earth Data

The industry's most technically advanced seismic data and geologic studies in the world's key locations.



### Sensing & Monitoring

Established leader in marine, land, ocean floor and downhole seismic equipment and gauges.

## BEYOND THE CORE



### Digital Sciences

Data transformation, data science, AI, machine learning, CGG Cloud services and HPC expertise.



### Energy Transition

Supporting industry transition with technology, data and expertise for CCUS, geothermal and critical minerals.

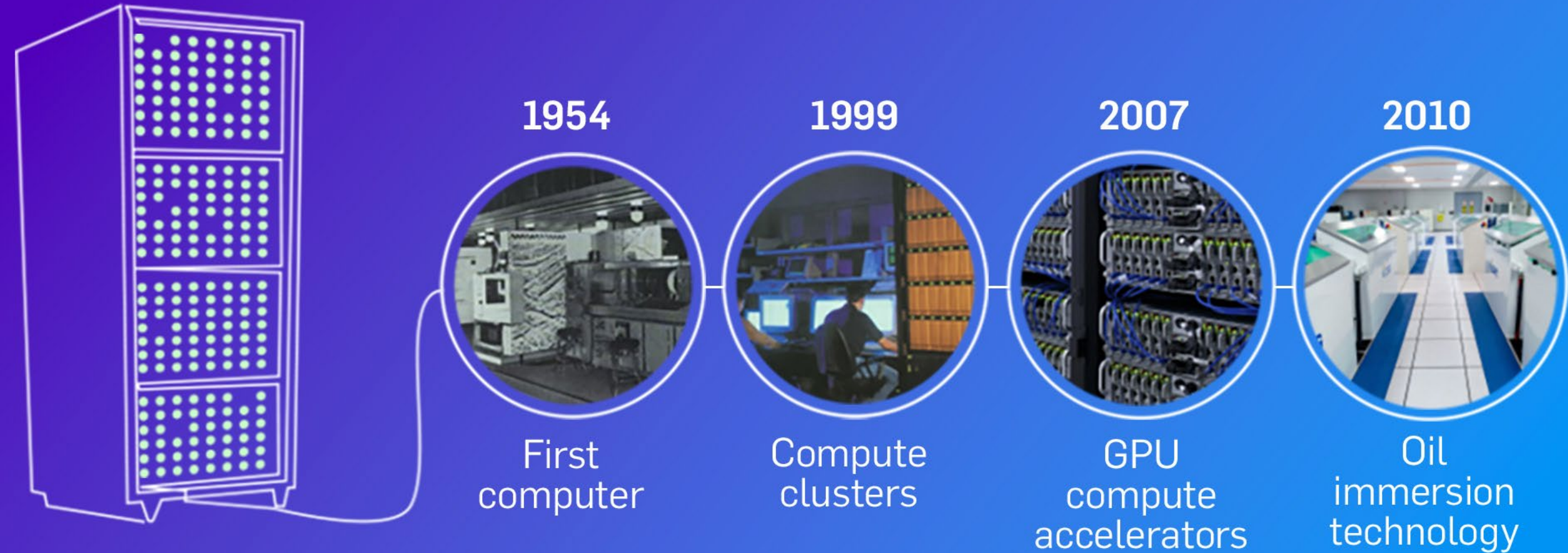


### Monitoring & Observation

Structural health and earthworks monitoring solutions with advanced sensors.



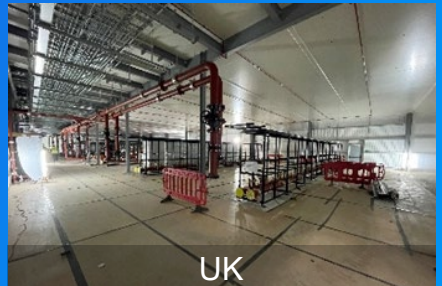
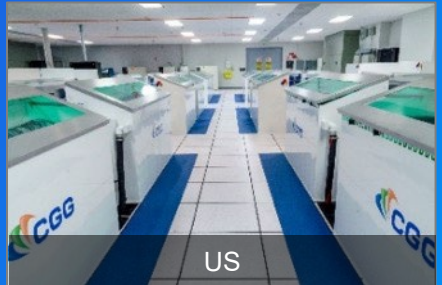
# A long history with HPC at CGG



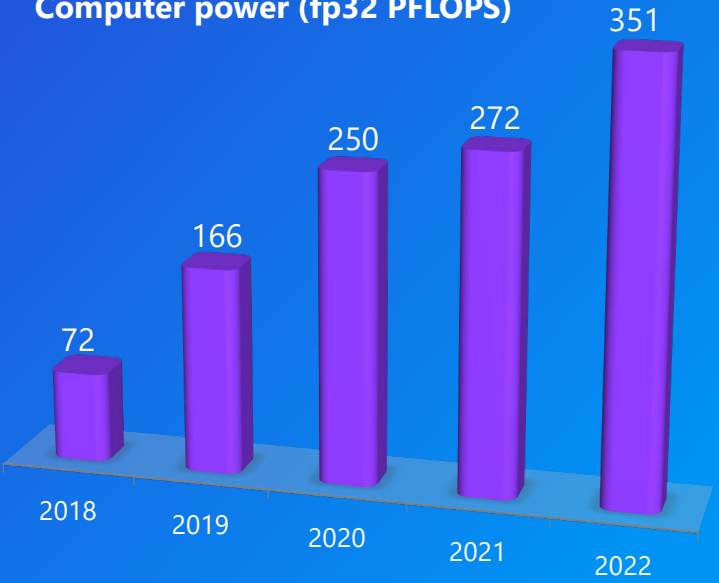
# High Performance Computing – a core industrial asset in CGG

**3 main HPC/AI Hubs**  
Houston (US), London (UK), Singapore

**1 Innov Lab and new business Hub**  
Paris (FR)



Computer power (fp32 PFLOPS)





# HPC & Cloud Solutions : Assets and expertise

## Optimized design

*design to metrics*

## GPUs at scale

*the right GPU for the right need*

## Optimized Datacenters Immersion cooling

*From edge to Cloud*

## Industrial HPC

## Massive workloads and dataflows

*100s PB/day, limitless scalability*

## Scientific & software expertise

*consulting, energy efficient calculation*

## Partnerships with HW vendors





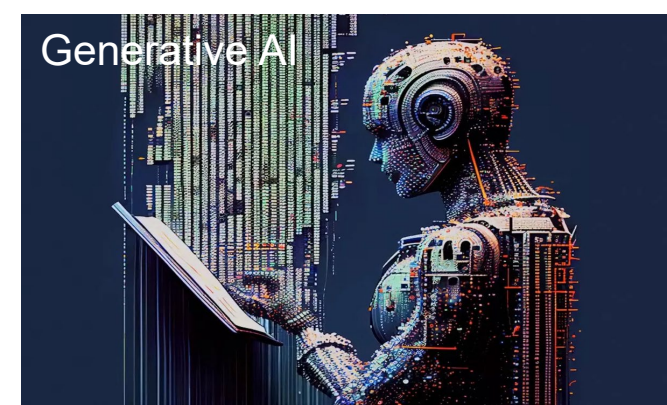
Defense



Life Science  
Biotech



Fintech



Generative AI



New  
Energies



Manufacturing



Satellite  
Imaging



CGG Cloud  
Services



# Sustainable HPC & AI Perspectives at CGG

Expand CGG success beyond the Energy market

Solve complex HPC and AI challenges for industries



Use renewable energy, optimize electricity usage

Produce enriched and faster results at optimized TCO for end-users

Keep innovation at the heart of CGG business

Expand HPC-aaS capacity and serve customers in secure environment



Optimize applications and end-to-end workloads for production

Maintain investing in people for HPC, AI, DataMgt top-class skills



THANK YOU

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