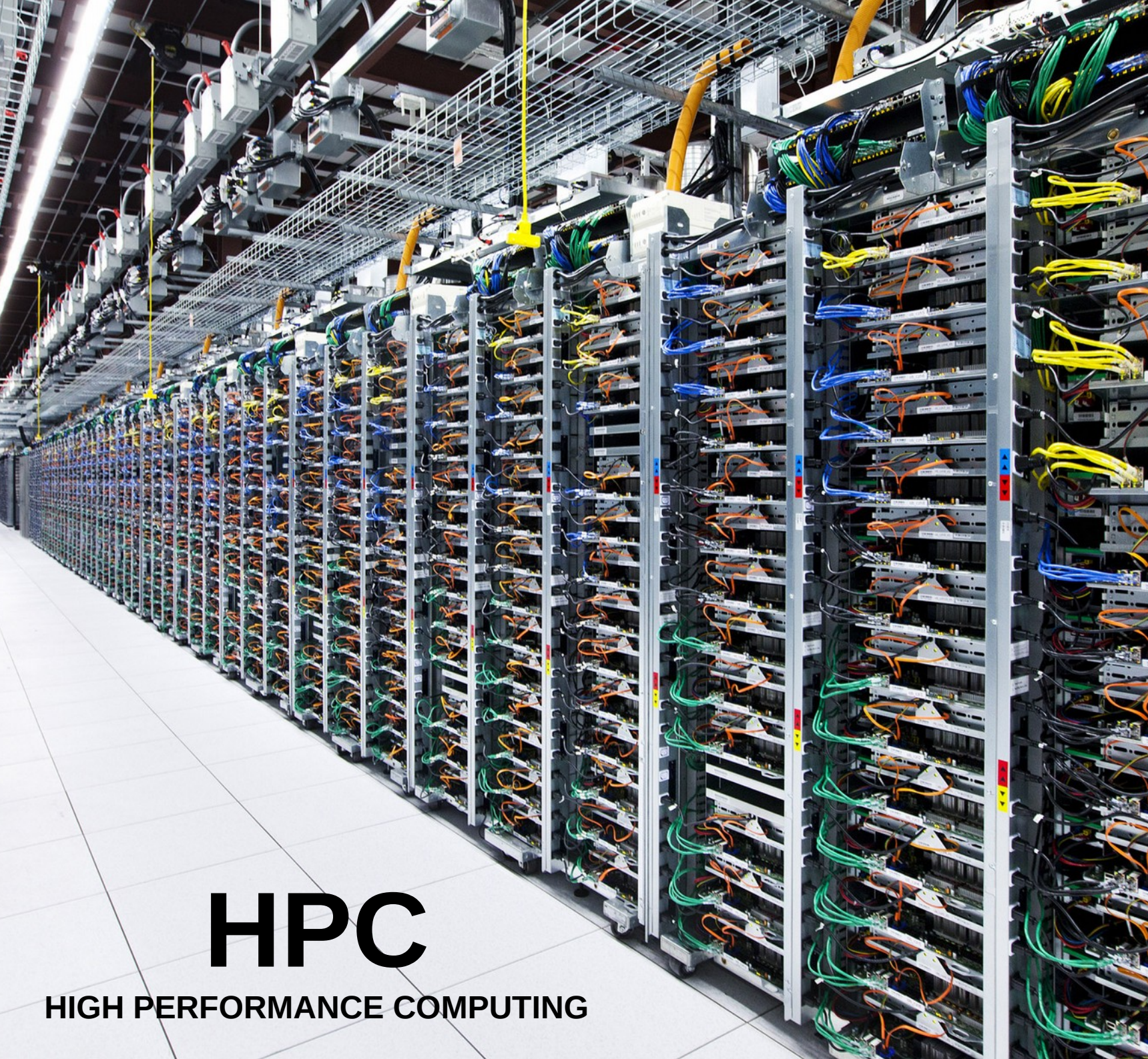
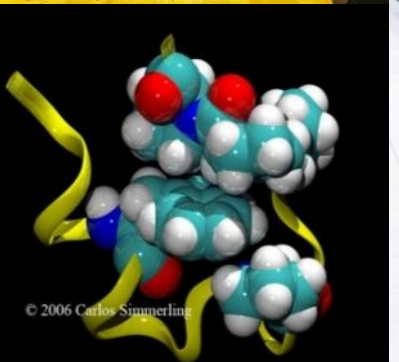
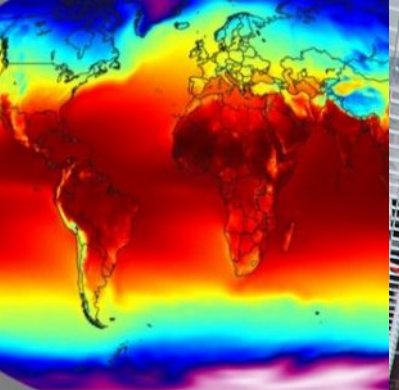


Higher Performance Computing + Free Heating for Homes

Qarnot computing
smart green processing



HPC

HIGH PERFORMANCE COMPUTING

5M

HOURS OF
COMPUTATION



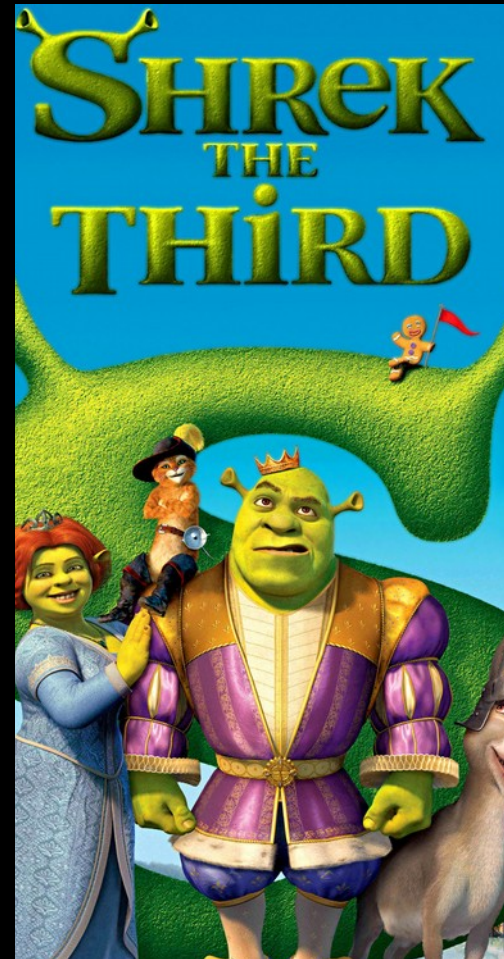
10M

HOURS OF
COMPUTATION



20M

HOURS OF
COMPUTATION



50M

HOURS OF
COMPUTATION



DISRUPTION

NECESSARY & URGENT TO CARRY ON



500,000
BIG & SMALL
DATA CENTERS



2%
OF ELECTRICITY
ALREADY



50%
FOR COOLING
SYSTEMS

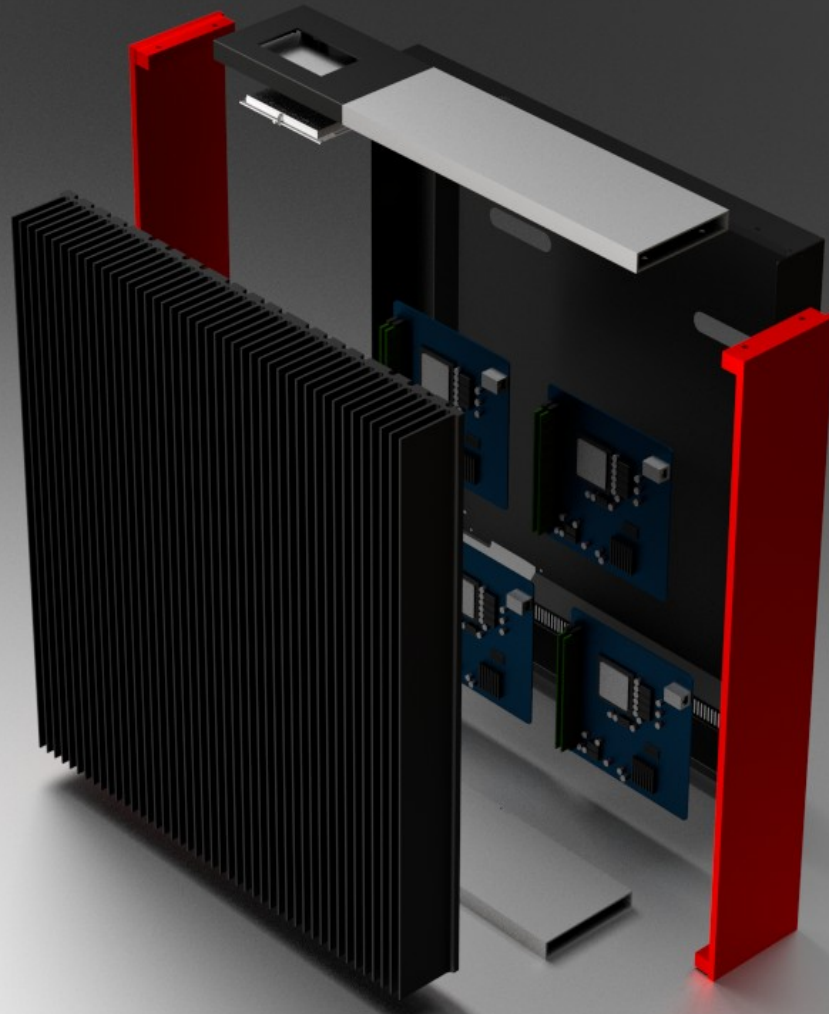


+15%
ELECTRICITY NEEDS
EVERY YEAR

Q.RAD

DIGITAL HEATER

COMPUTING	4 CPUs
BANDWIDTH	1 Gbps
HEATING	500 W
NOISE	0 dB



HPC UNIT

4 CPUs
1 Gbps
500 W
50 dB



HEATER

0 CPUs
0 Gbps
500 W
0 dB

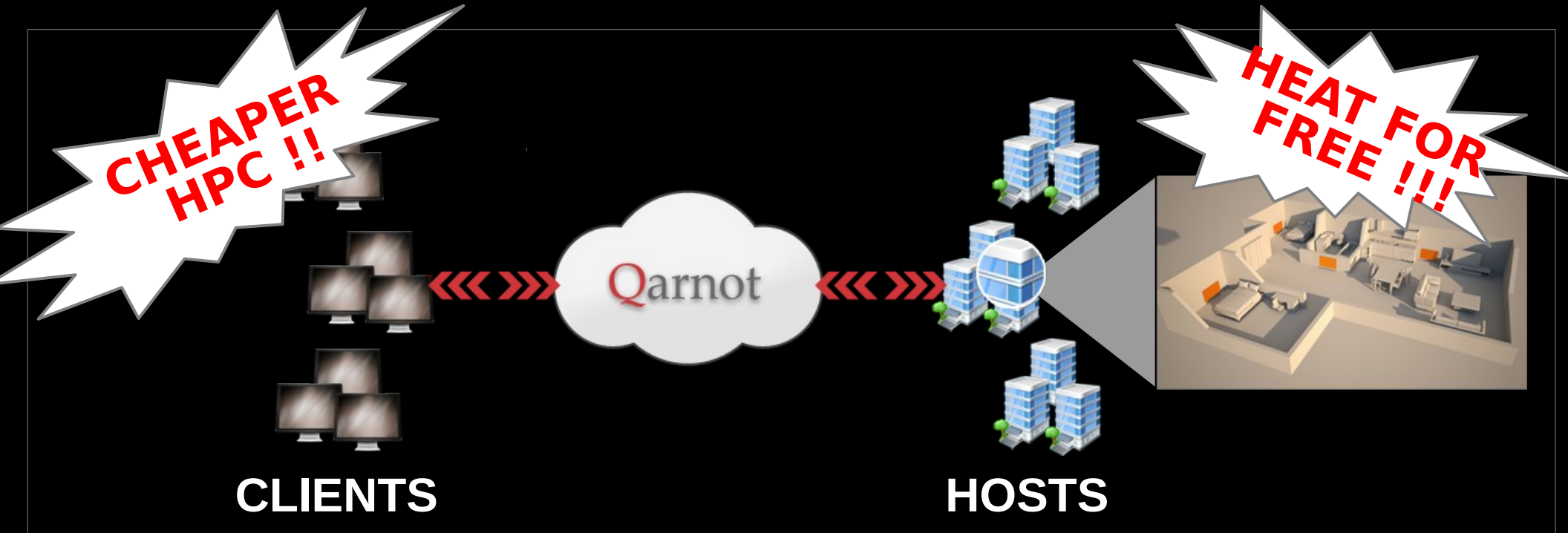
142 M²

PARISIAN HOST HEATED
FOR FREE WITH 7 Q.RADS



DUAL-SIDED

BUSINESS MODEL



HPC SERVICE

0.25 € / h



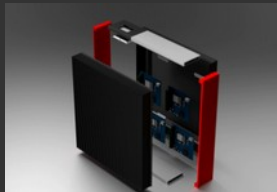







HEATING SERVICE

FREE

USE CASE

STRUCTURALLY COMPETITIVE AND SUSTAINABLE



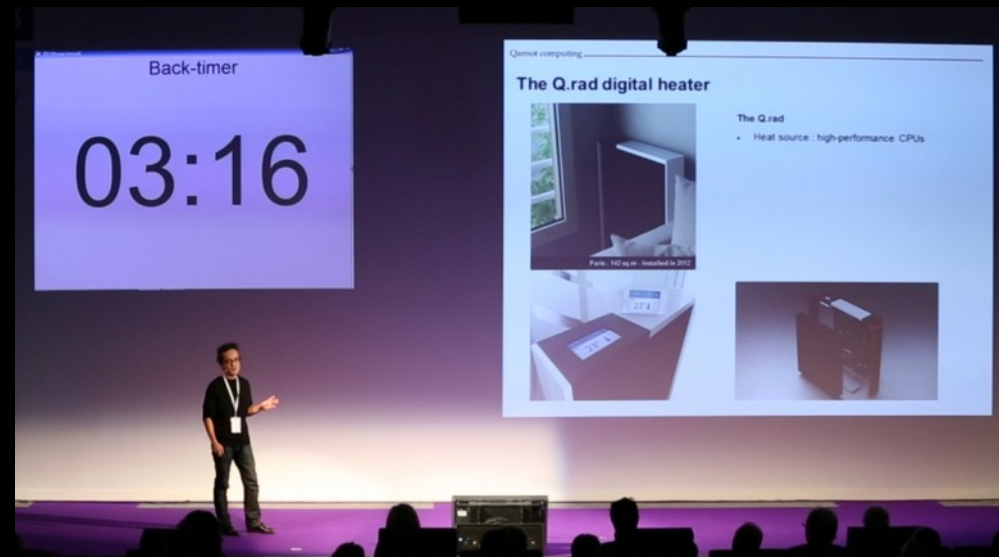
	DATA CENTER	Qarnot	
		 	
 PRICE	€ 15M	€ 5M	- 66%
 ELECTRICITY	8 GWh	2 GWh	- 75%
 CO2	7,000 T	1,750 T	- 75%
 WATER	11,000 T	-	- 100%
 JOBS	1	11	x 11
 HOMES HEATED FOR FREE	-	250	+ 250
 RESEARCH HPC OFFERED	-	€ 2.5M	€ +2.5M

Climate-KIC

STRONG SUPPORT FOR BUSINESS DEVELOPMENT



- 1st prize of the Climate-KIC France National Venture Competition 2013
- Wroclaw Innovation Festival 2013
- Acceleration program Phase 1 (2013) :
 - Business model validation & global HPC strategy
 - Q.rad farm : first pilot sites deployed
 - First HPC prototypes running on the pilot sites
 - RT2012 & Certificate of energy savings regulation study
- Phase 2 (2014) : HPC Business development
- Networking & perspectives :
 - Clients & projects
 - Partnerships
 - Investors



3RD

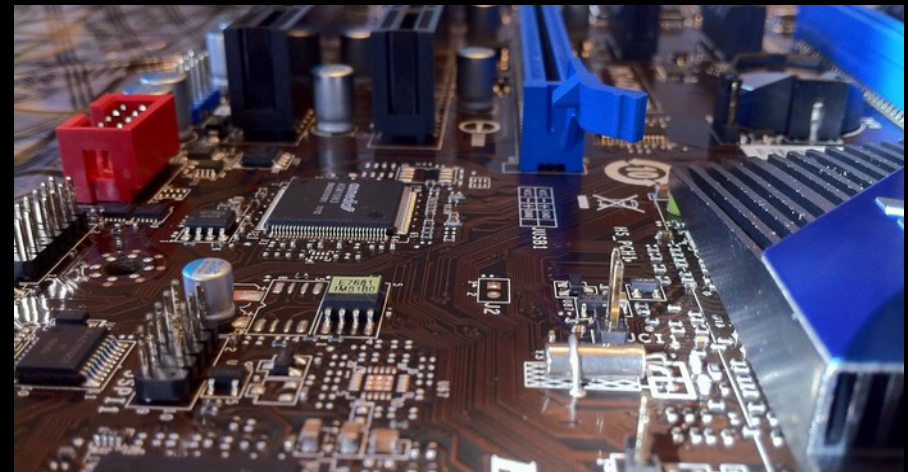
INDUSTRIAL REVOLUTION

Qarnot computing promotes a new era of data center where computing power is distributed among the buildings

Jeremy Rifkin, October 2013
Master Plan for Nord / Pas de Calais

Getting heated by 3D animation cartoons, that's too cool !

Anne Hidalgo, July 2013
Candidate for Mayor of Paris City



Qarnot computing
smart green processing