e4c
eco4cloud
A spin-off from Italy's National Research Council (CNR)
ICAR
CNR
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"Improve your data center and save energy"

STRATEGIC VISION

- The increasing use of powerful IT services in all sectors is leading to a growing energy demand for data centers:
  - accounts for 120B kWh, or ~3% of energy consumption worldwide
  - will lead to a 2X of energy requirements within 5 years, increasing energy costs and relevant carbon footprint of data centers.
- The implementation of energy-efficient technologies and optimized HW/SW operations however allows energy, cost and carbon emission reductions of up to 60%.
- Given the compelling global nature of this topic, E4C works with companies across all industries, segments and geographies which build/own/run highly-virtualized data centers.

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Eco4Cloud

Improve your data center efficiency and save energy

What we do

We help our Customers improve the **economics** of their **virtualized data centers** by using an intelligent **software** platform that reduces the **energy consumption** and increases **efficiency**.

Who we are

E4C is a spin-off from **ICAR-CNR**, the internationally renowned **excellence center** on high-performance computing and networking, and Italy's most relevant **research center** on Cloud and Grid Computing.

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FOR OUR CUSTOMERS…

…we **improve the economics** (CapEx and OpEx) of our Customers' highly-virtualized data centers

…we optimize the data center software to **minimize the energy consumption**

…we **maximize the benefits of virtualization** while minimizing CapEx and OpEx, adding intelligence, actively managing risk and strengthening our Customers' Green reputation

…we enable **consolidation**, better inform **capacity planning**, increase **utilization** of physical assets, conduct performance **monitoring & control** and predictive **risk management**

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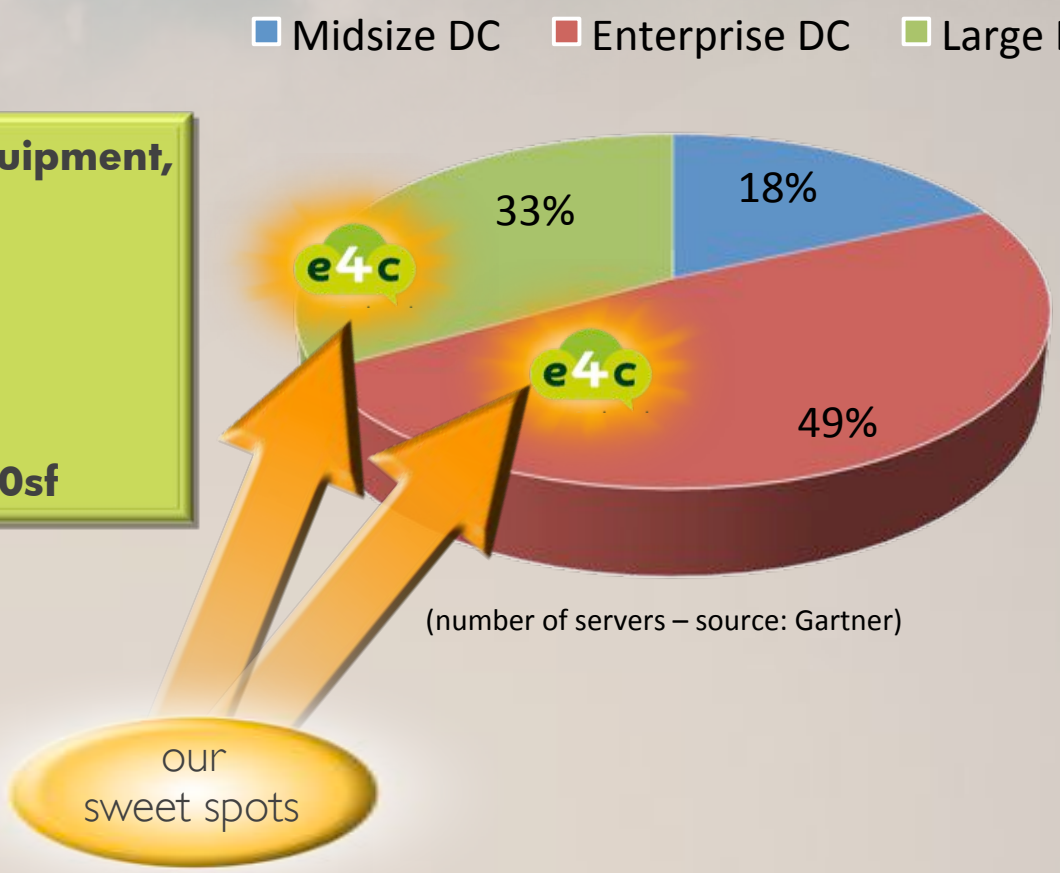
WHERE DO WE PLAY

Mid-size DC	**26-100 racks of equipment, 750sf-3000sf**
Enterprise DC	**101-500 racks, 3000sf-15000sf**
Large DC	**>500 racks, >15000sf**



(number of servers – source: Gartner)

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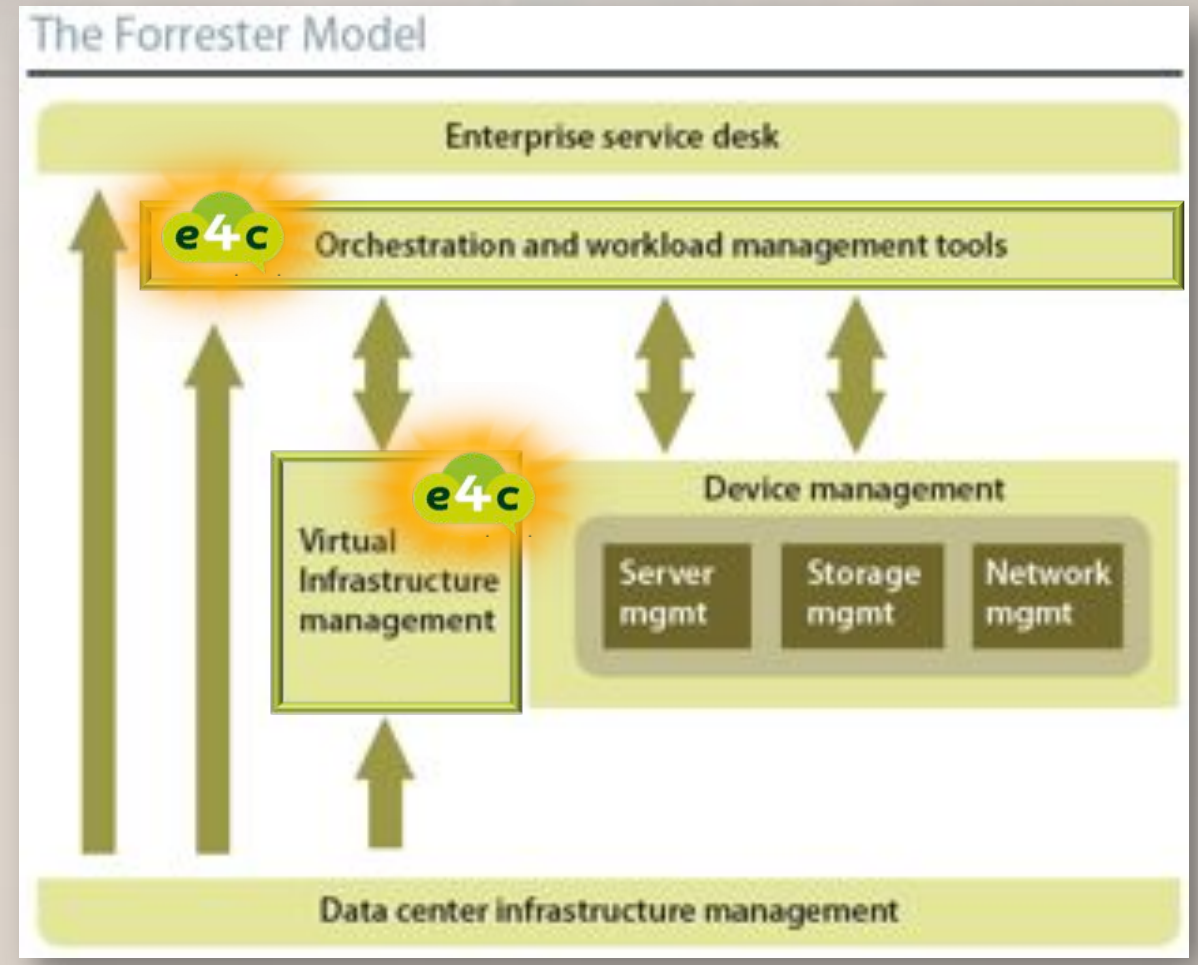
TAXONOMY: DCIM



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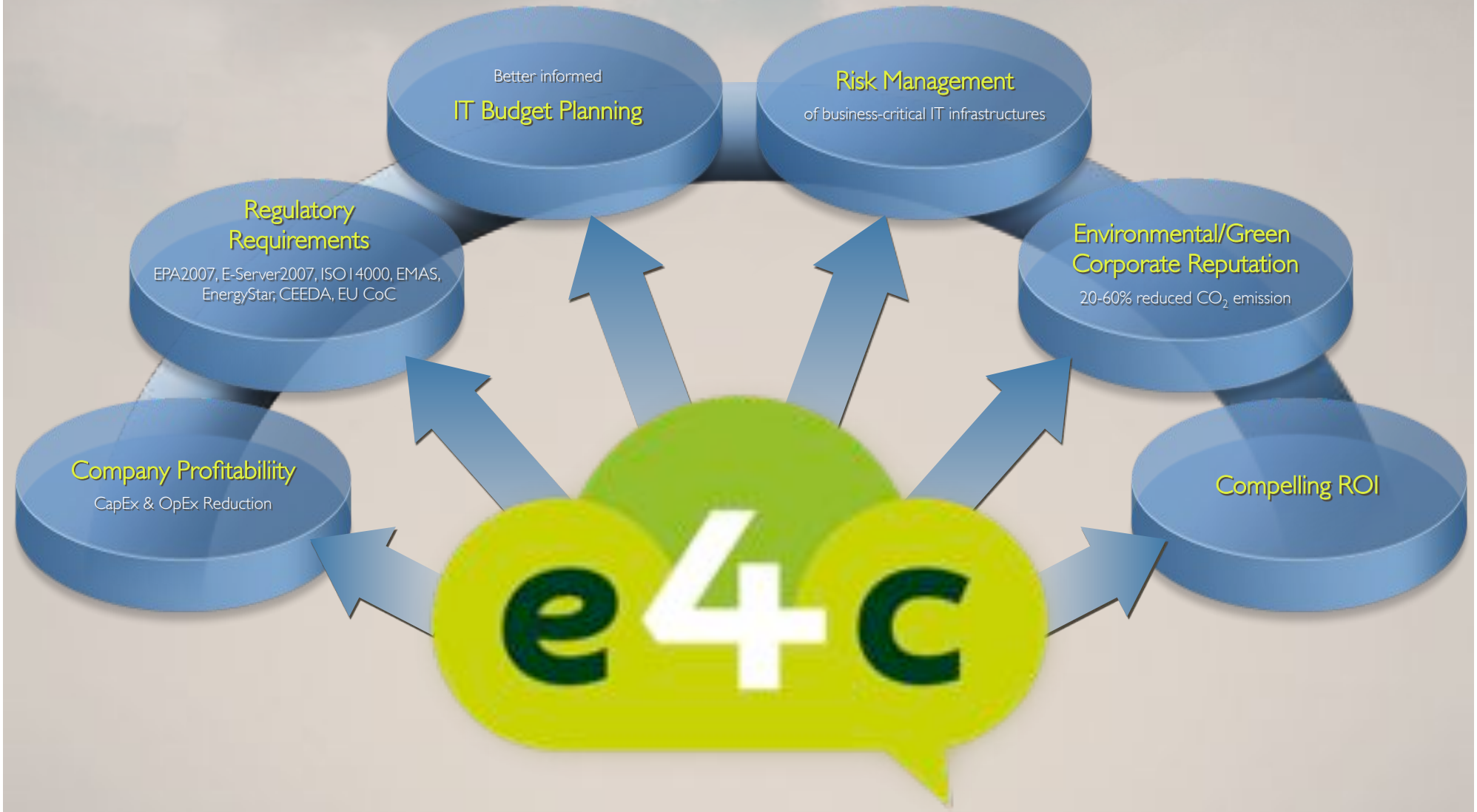
VALUE PROPOSITION - Business



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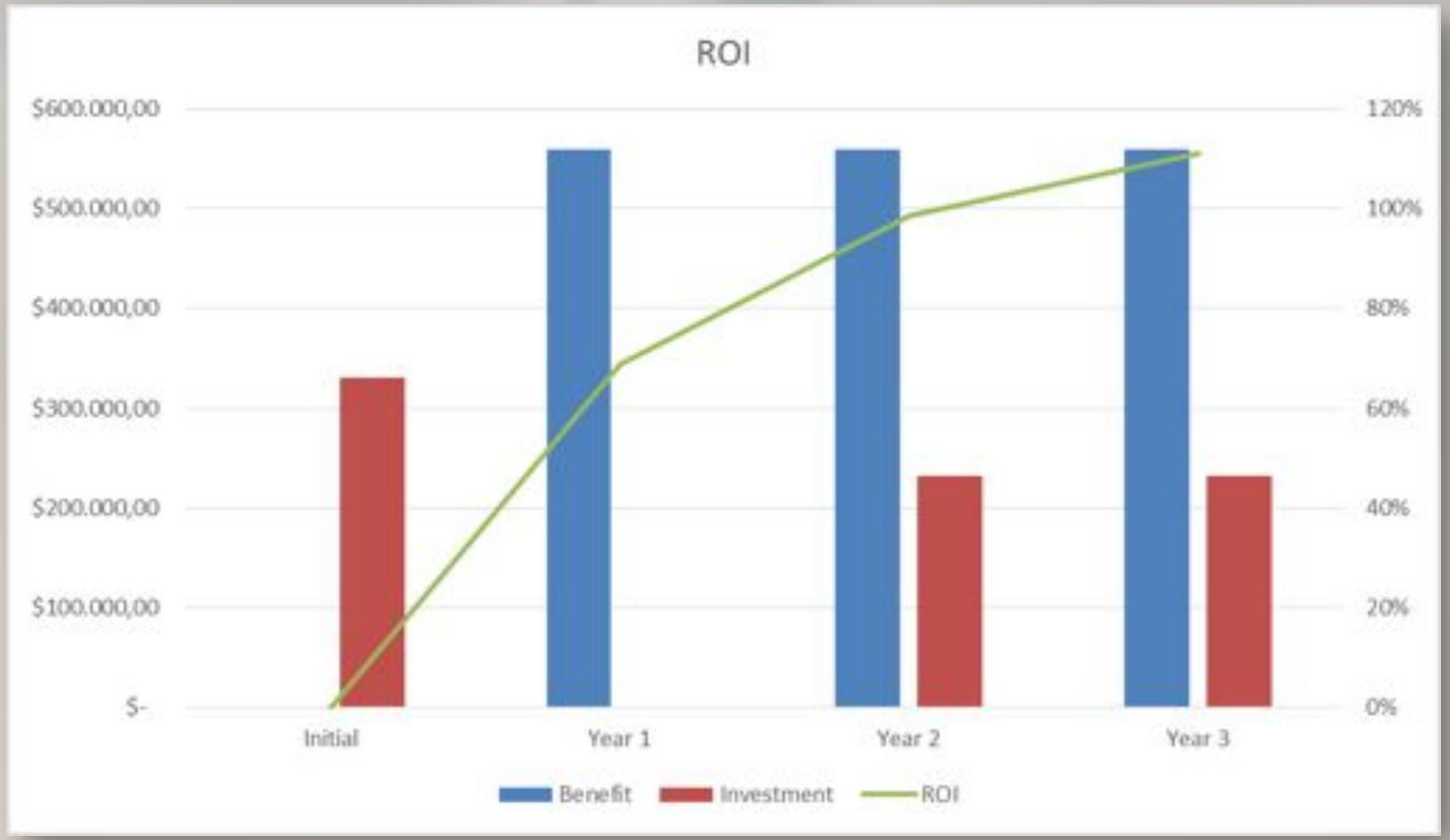
ROI in a typical deployment



Deployment scenario: 1000 physical servers, 15000 VMs, PUE 1.6

Payback time: 7.1 months

3-yrs ROI: 111%

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VALUE PROPOSITION - Technical

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Our Story… so far

NOV 2011

Winner of Telecom Italia's *PNI Working Capital* start-up contest – Turin, IT

JAN 2012

Spin-off of University of Calabria (UniCal) and Italian National Research Council (CNR)

APR 2012

1st round of funding by *dPixel* and *Principia* venture capital funds

SEPT 2012

Validation tests at Cisco Labs (Rome) and Telecom Italia Labs (Bari)

OCT/NOV 2012

Company presentation at SMAU (Milan) and at Supercomputing Conference (Salt Lake City)

DEC 2012

Award for Best DCIM Solution at UP 2012, Cloud Computing Conference (San Francisco)

MAR 2013

Secured long term stability through funding from *Principia* venture capital

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INDUSTRY AWARDS

1st Prize at 'Working Capital', Italian competition among >2.000 business innovations

Turin – Dec 2011

Up-Start Awards:

Best DCIM (Data Center Infrastructure Management) Solution'

Up 2012 Cloud Computing Conference, San Francisco – Dec. 2012

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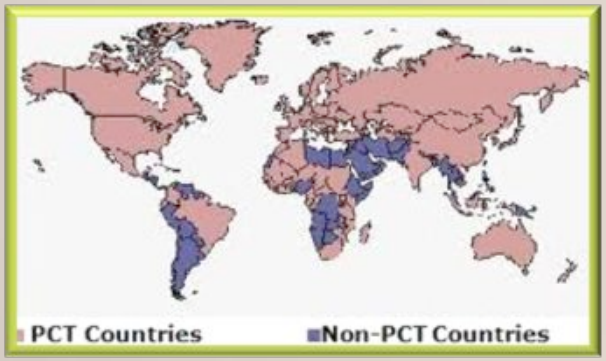
PATENT

International PCT patent:
"System for Energy Saving in Company Data Centers"

Info and claims on Patentscope: # WO/2013/021407
Publication date: 14/2/2013

The patent was filed by Italian CNR and University of Calabria. The inventors are the eco4cloud founders.



The PCT (Patent Cooperation Treaty) patent protects the invention almost all over the world.

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INVESTORS

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