C O M P U T E R ENGINEERING

WHEN PERFORMANCE MATTERS



IBM AI Bologna - Anomaly detection in Finance & AutoAI

Fabrizio Magugliani, Strategic Planning and Business Development

Scandiano, Dec 9th 2019

THE COMPANY

E4 COMPUTER ENGINEERING

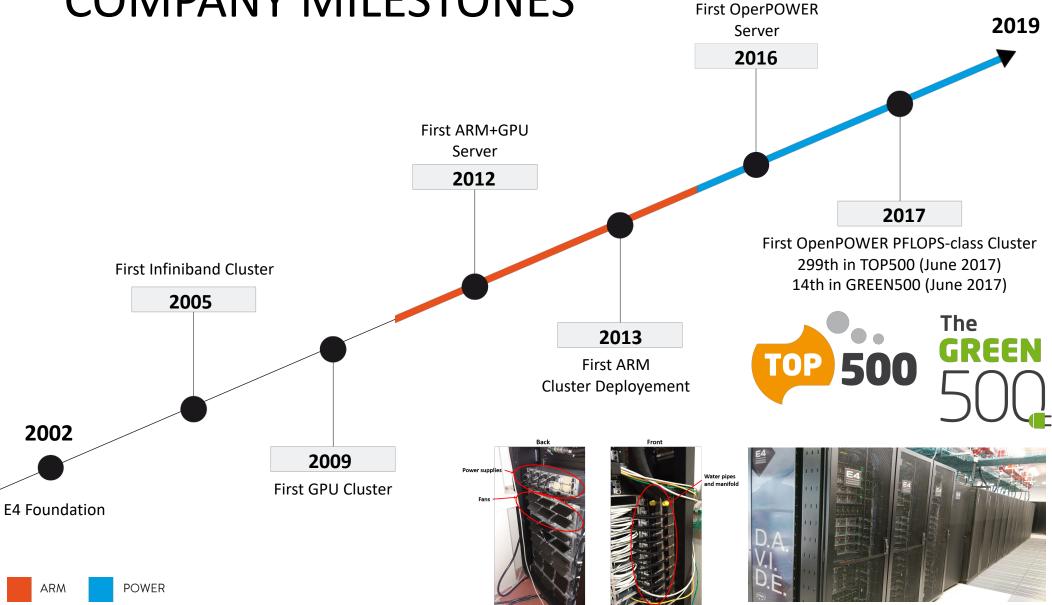
THE COMPANY

Since 2002, E4 Computer Engineering has been innovating and actively encouraging the adoption of new computing and storage technologies. Because new ideas are so important, we invest heavily in research and hence in our future. Thanks to our comprehensive range of hardware, software and services, we are able to offer our customers complete solutions for their most demanding workloads in: HPC, Big-Data, AI, Deep Learning, Data Analytics, Cognitive Computing and for any challenging Storage and Computing requirements.

E4. When Performance Matters.



COMPANY MILESTONES





D.A.V.I.D.E. SUPERCOMPUTER

(Development of an Added Value Infrastructure Designed in Europe)

Original E4 design based on OpenPOWER specifications

Partners engaged to complement/supplement E4's expertise liquid cooling: asetek power management: University of Bologna (UniBO) BIOS: IBM

Co-design process:

- Ecosystem is key
- PRACE (purchasing entity) monitored the design and deployment process
- CIENECA (hosting entity) was involved in the design, testing and deployment process (sysadmins, users, facilities, support)
- relentless dialogues with the stakeholders

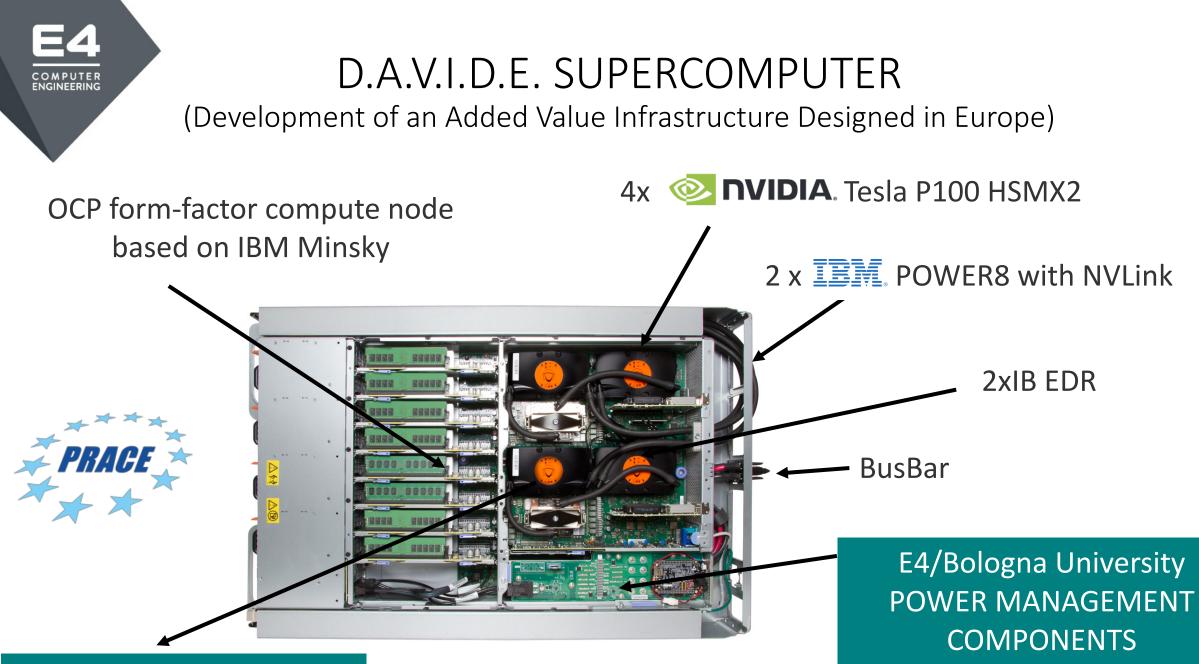
E4 COMPUTER ENGINEERING

D.A.V.I.D.E. SUPERCOMPUTER (Development of an Added Value Infrastructure Designed in Europe)







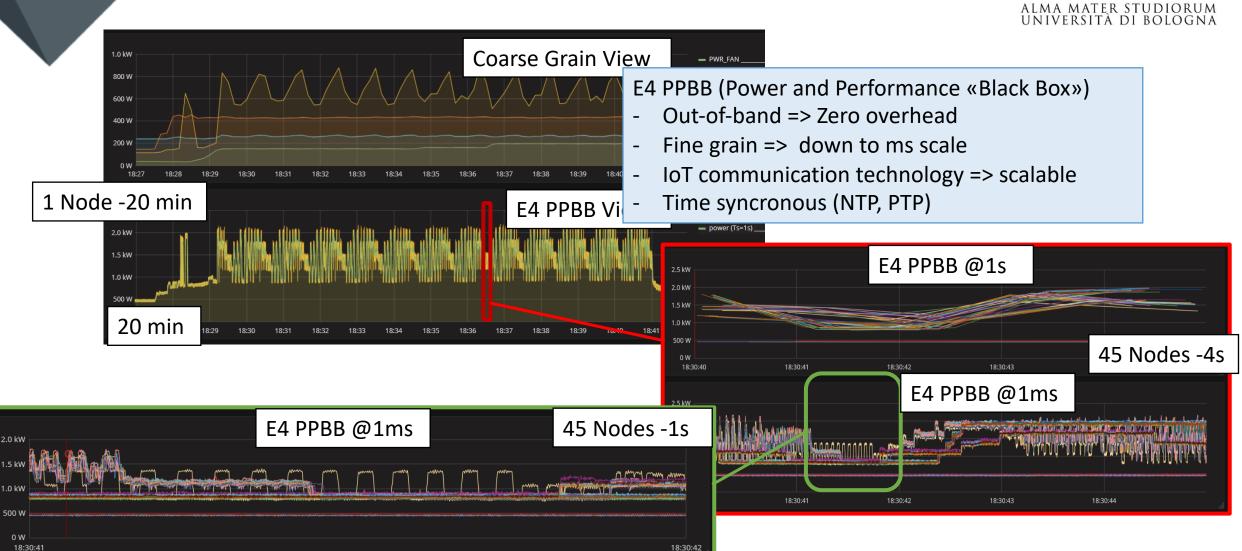


LIQUID COOLING



KEY ENABLING TECHNOLOGIES

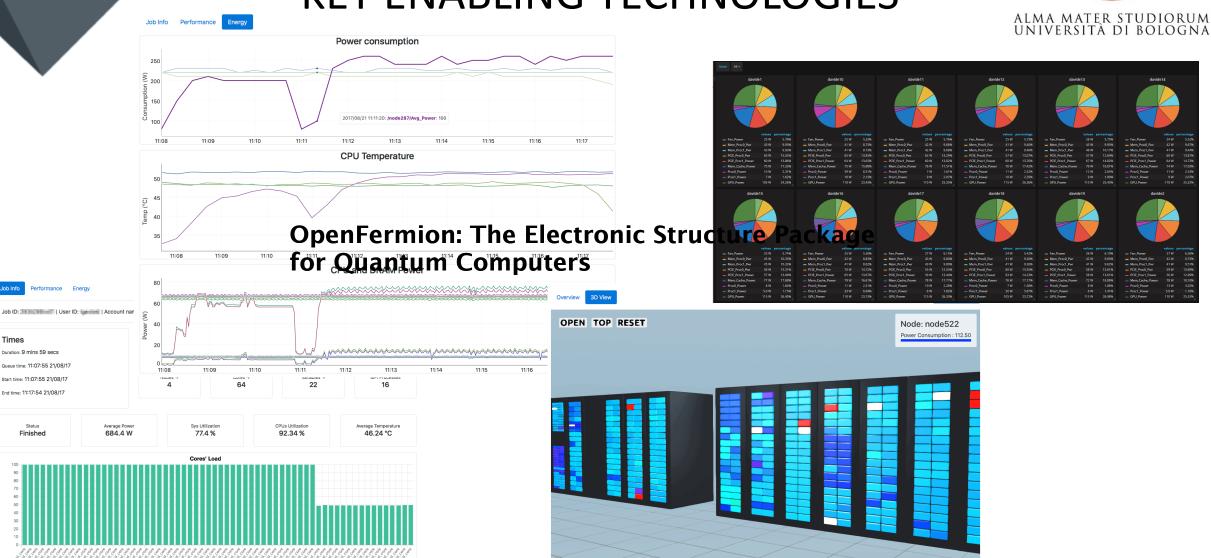


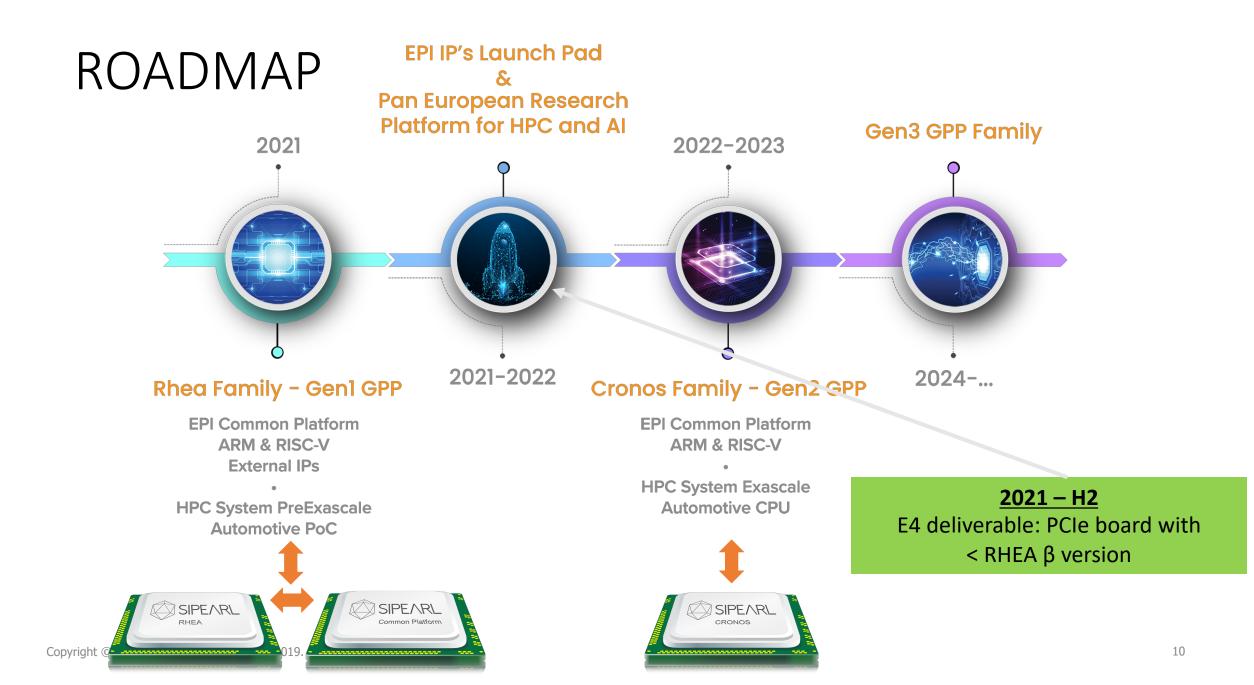












E4 COMPUTER ENGINEERING

A4 & AI



E4 & AI

Leverage the features of the best-in-class tools: PowerAl

Close cooperation with partners

Design the best solution

Learn from the process

Focus on the opportunities enabled by EPI