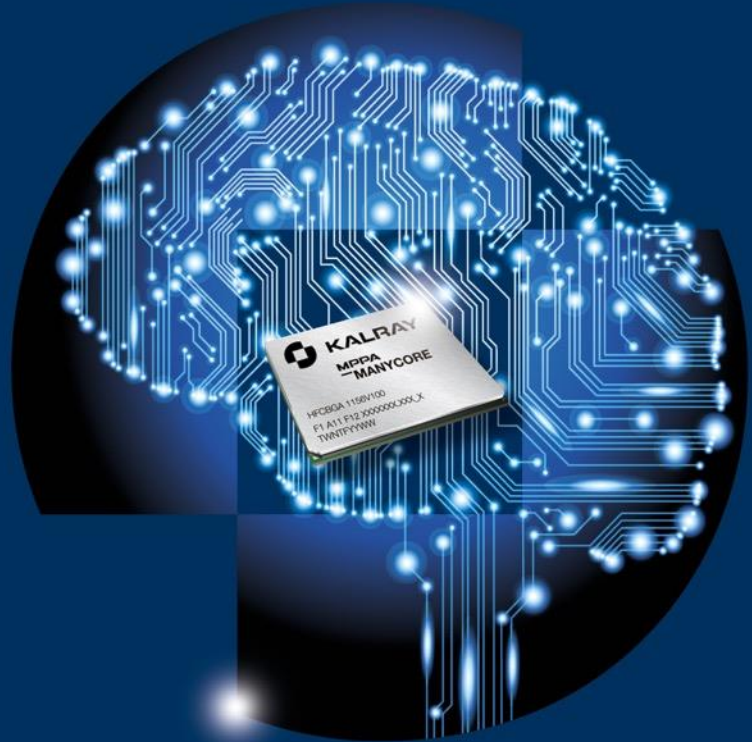


THE PROCESSOR  
AT THE HEART OF  
INTELLIGENT SYSTEMS

**Leti D43D Workshop**  
François JACQUET



INITIAL PUBLIC OFFERING ON Euronext Growth



# WE ARE ENTERING A NEW DIGITAL ERA

**9 x MORE DIGITAL DATA CREATED**

in the last 2 years than since the beginning of humanity<sup>1</sup>

It is critical to process this data in **REAL TIME**  
through **INTELLIGENT SYSTEMS**

<sup>1</sup> Deloitte Digital, *Becoming an exponential organization* (Sept. 2017)

- DISRUPTIVE DOMAINS  
(opportunities for innovation)
- A HIGH LEVEL OF  
TECHNOLOGICAL REQUIREMENTS
- SIMILAR TECHNOLOGY (synergies)

## KALRAY:

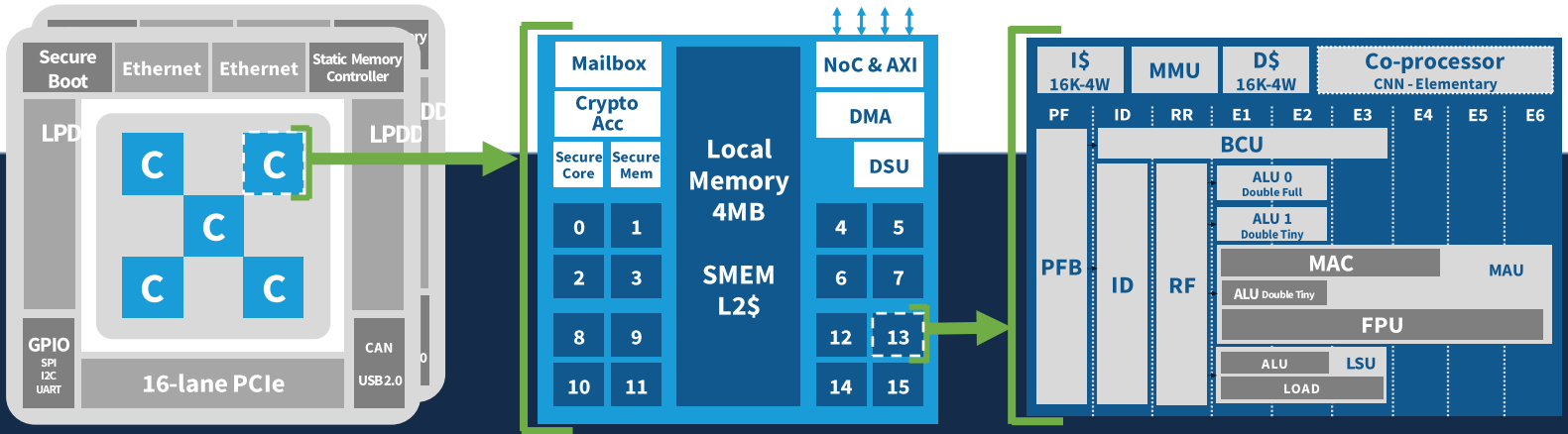
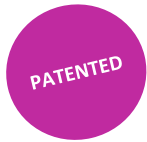
The processor  
at the heart of  
intelligent systems



Intelligent  
Data Center

Intelligent  
Car

# MPPA<sup>®</sup> HIERARCHICAL & SCALABLE APPROACH



## MANYCORE PROCESSOR

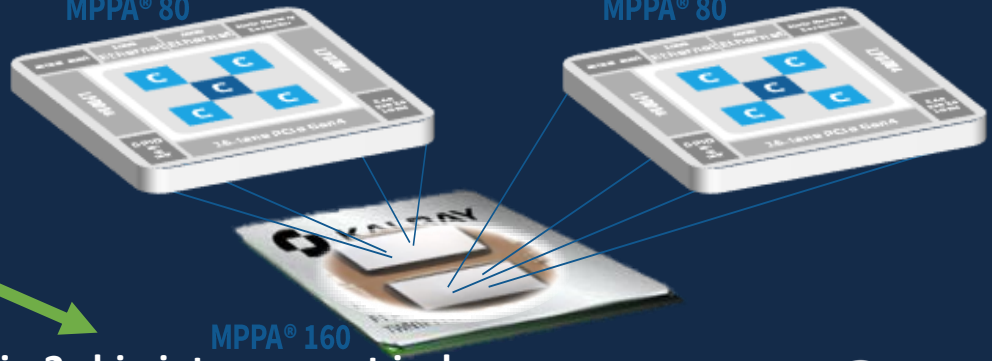
Can be tiled in same package or on boards

## COMPUTE CLUSTER

MPPA<sup>®</sup> 80

## 3<sup>RD</sup> GENERATION VLIW CORE

MPPA<sup>®</sup> 80



Chip 2 chip interconnect is done thru standard 8xPCIe gen4 & 4xEth 25G links



# System on board based on MPPA processors



**KTC (Kalray Target Control)**  
to build optimized  
NVMe-oF JBOFs



**Turbo Card**  
As an accelerator thru PCIe  
links



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