ALCF Systems Evolution

5.7 TF

557 TF

10 PF

11.7 PF

15.6 PF

44 PF

> 2 EF

Intrepid
IBM BG/L
2004

Intrepid
IBM BG/P
2007

Mira
IBM BG/Q
2012

Theta
Intel-Cray XC40
2017

ThetaGPU
NVIDIA
DGX A100
2020

Crux
HPE-AMD
+
Polaris
HPE
2021

Aurora
Intel-HPE
2022

JLSE (2013)

AI Testbed (2020)

Edge Testbed (2021)

Argonne
NATIONAL LABORATORY

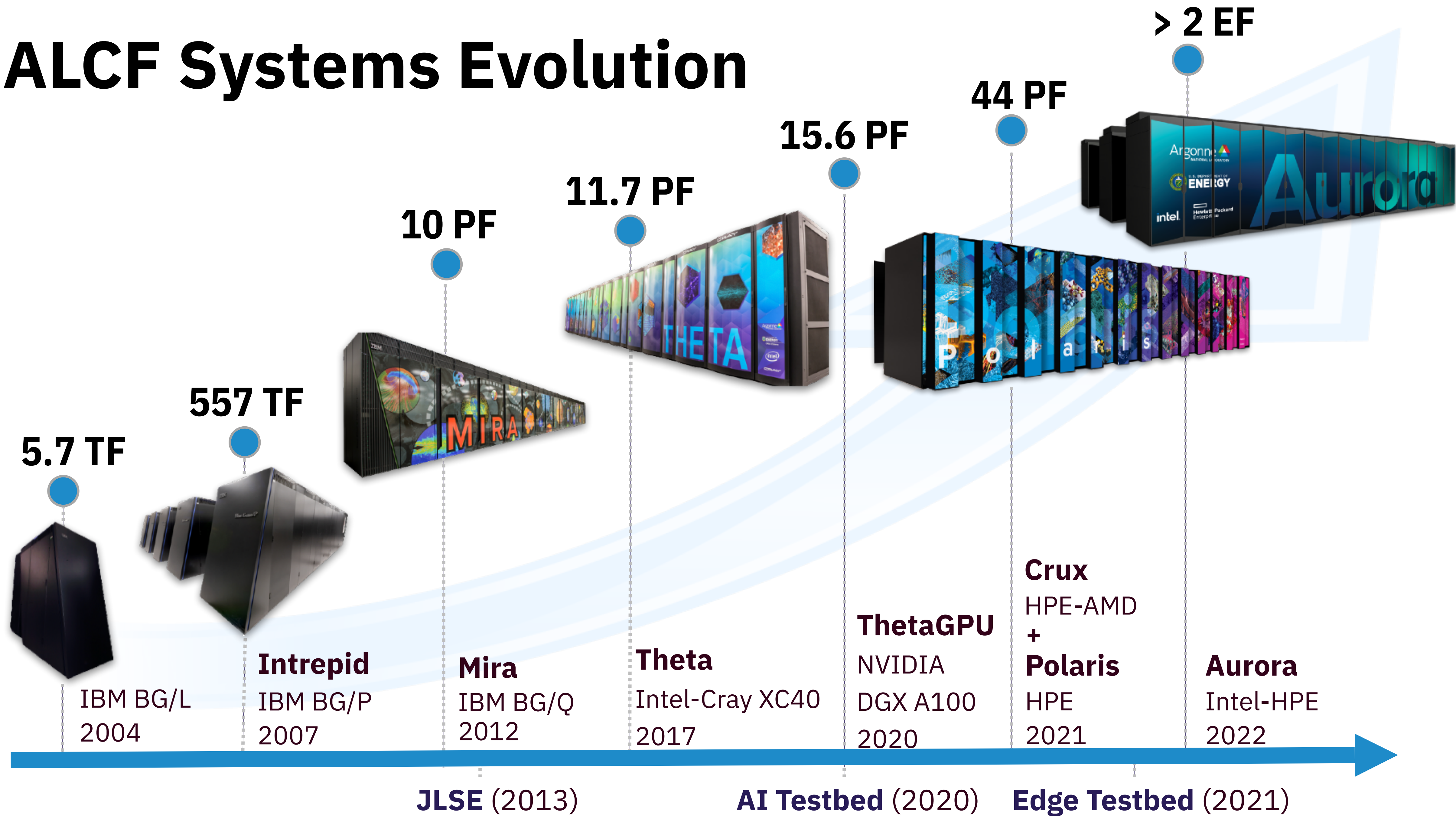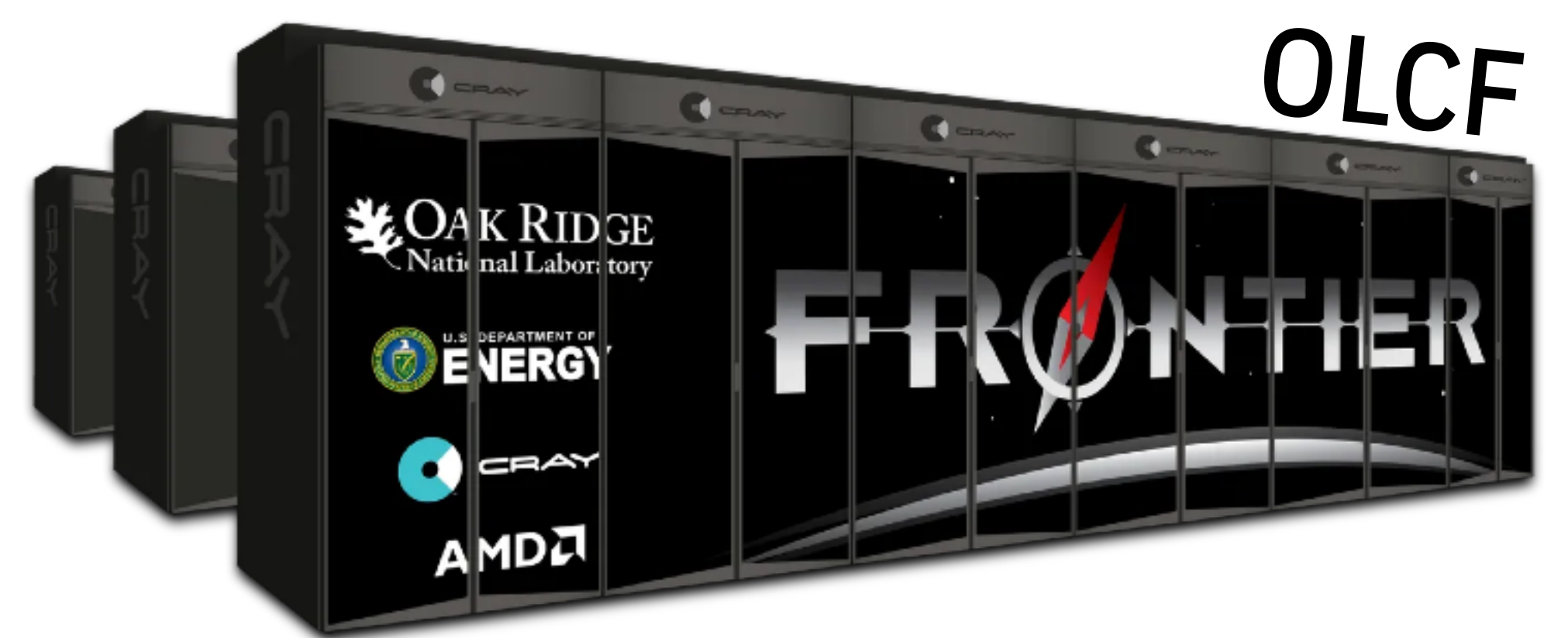# US Exascale Platforms
Intel CPU/GPUs, AMD CPU/GPUs

OLCF

ALCF

LLNL

These architectures will excel at **AI + HPC**