



# HPC/BigData Update Teratec 2017

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# Portfolio: Ready Solutions for HPC



 BUILD

 BUY

Benefits

Maximum flexibility  
Validated for use case  
Heterogeneity with lower risk  
Component lifecycle automation and control

Consumption models

Fastest time to value  
Optimized and tuned for use case  
Greatest risk reduction  
Solution lifecycle automation

Solutions

Scale

## STORAGE READY BUNDLES

### Dell EMC Ready Bundle for HPC NFS Storage

Scales from a minimum of 48TB to 480TB of raw capacity in a single name space



### Dell EMC Ready Bundle for HPC Lustre Storage

Lustre parallel file storage system scales from 120TB to petabytes of data



## SYSTEMS FOR A RANGE OF USE CASES

### Dell EMC HPC System for Life Sciences

Fully integrated for pharma/biotech applications



### Dell EMC HPC System for Manufacturing

Fully integrated for compute-aided engineering (CAE) workloads



### Dell EMC HPC System for Research

General purpose compute cluster for multiple research workloads



# Latest projects !

- JSC (Jülich FZ) – Booster : 5 Pflop/s Next Generation Modular Supercomputer
  - [Vidéo- InsideHPC - 5 Pétaflop Booster Dell EMC HPC](#)
- TACC - Stampede-2 : 18 Pflop/s Supercomputer Upgrade
  - [Top500.org - Stampede 2 - The 18 petaflop Sequel](#)
- CRCS (Univ. Of Cambridge) – Wilkes-2 : More Compute Power Efficiency !
- NCCS (NASA Center for Climate Simulation) – ADAPT : Flexible Solution for Joining Data and Compute
  - [NASA - NCCS ADAPT](#)





Mise en production  
de 300000 HEPSPÉC et  
10.5 Po au CC-IN2P3

Fourniture du nouveau  
supercalculateur de l'Université de  
Montpellier - 330 Tflop/s



**D**  **LEMC**