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### **Dynamic Power Optimizer (DPO)**

Part of Smart Energy Management Suite (SEMS)

#### (SEMS) DPO – Dynamic Power Optimizer

The Eviden solution to optimize the energy consumption of applications

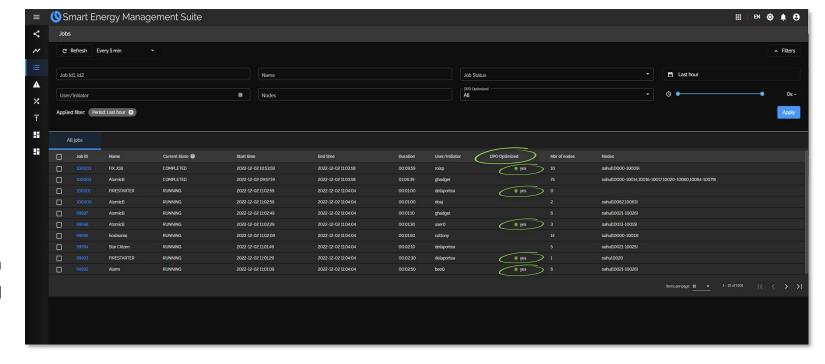
## Adapt CPU frequency depending on job phases

- Metric-based (CPU, memory)
- MPI (active) wait



# Optimize without rebuilding or recoding

- Nothing to do for metric-based optimization
- LD\_PRELOAD symbols override for MPI (active) wait optimization



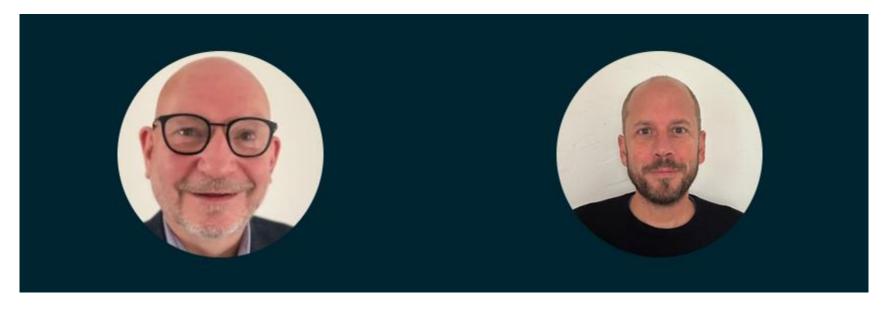
#### Integrated solution

- Slurm options to enable DPO in srun and sbatch commands
- Status in (SEMS) EO Energy Optimizer (see above snapshot)



### (SEMS) DPO – Dynamic Power Optimizer

Contact information if you are interested in purchasing DPO



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