

# Adastra: an exascal architecture for national research in AI and HPC

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## Abstract

Adastra, the latest supercomputer bought by GENCI and operated at CINES, is based on the latest exascale technologies provided by HPE and AMD. This supercomputer was ranked #10 in Top500 June 22 and #3 in Green500 in November 24. The same architecture were deployed at Frontier (#1 Top500 2022) and El Capitan (#1 Top500 2024) to break the exascale for the first time and second time in the Top500. This architecture will be presented, and a first return on experience will be provided. On top of that, perspectives on energy efficiency and energy reuse will be discussed.