# Picture of the Week: Supercomputer building blocks

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The first row of cabinets for the new Trinity supercomputer are being prepared for connection to the water cooling infrastructure at Los Alamos National Laboratory. Each set of 12 cabinets is delivered, connected and tested one row at a time, by the Cray installation team, until all five rows arrive. When all the phase-one cabinets have been delivered (60 in all), Cray will connect all five rows and begin testing as as machine. Phase two of Trinity – another five rows with a different processor (Intel KNL) – will arrive next spring.

The Trinity supercomputer is the first of the NNSA's Advanced Simulation and Computing program's advanced technology systems. Once installed, Trinity will be

the first platform large and fast enough to begin to accommodate finely resolved 3D calculations for full-scale, end-to-end weapons calculations.