Will Dark Silicon constrain the the data center business, will flexible HW (FPGA etc.) be the answer?

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Abstract text The big structural acquisitions in the field at present shows that Dark Silicon problem is real

and is causing people to design differently, but will the move to FPGA's - only limited on how many gates need to be toggled at higherst clock rate to solve a particular problem, or will the change-over be judged based upon how general purpose the flexible hardware is.

Larger companies can rule them self making dedicated ASICs or custom CPU SoC, but midsize

players must be outside the generic CPU/GPU limitations, using the HW flexiware - the FPGA. This presentation will try to find out if FPGA's can be programmed to perform computation

in server farms and add architectural flexibility to solve the problems?