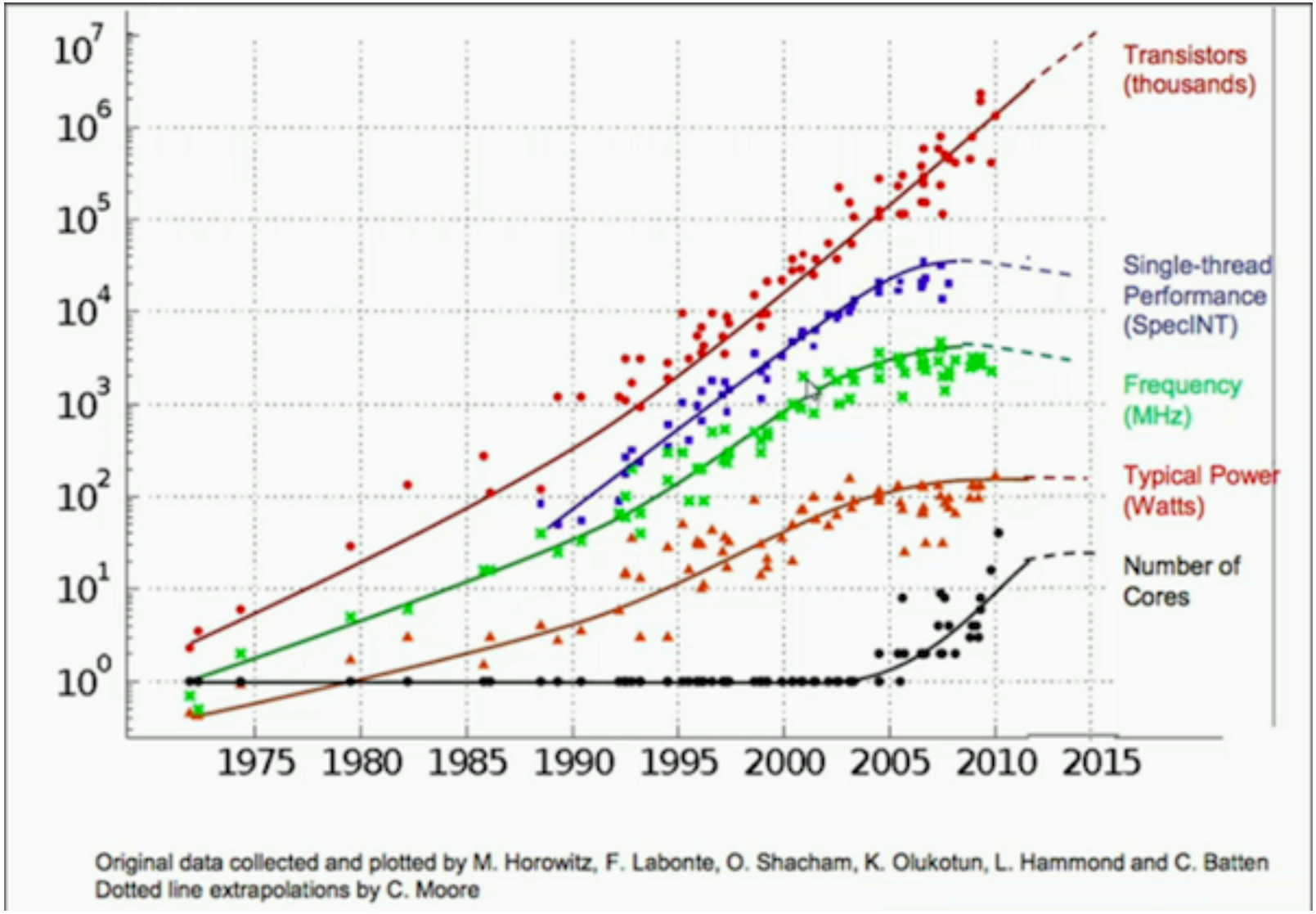
# Architetture parallele

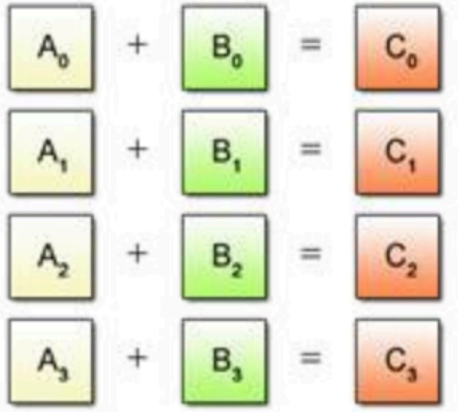
# Legge di Moore

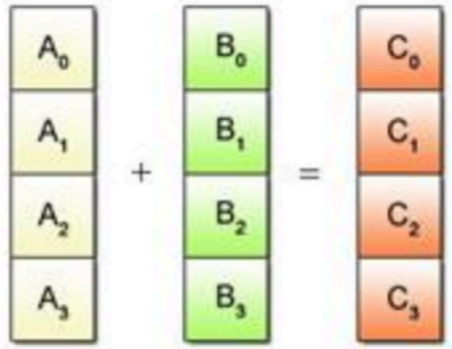


# Parallelismo in CPU single-core

paddd %xmm0, %xmm1

Operazioni scalari



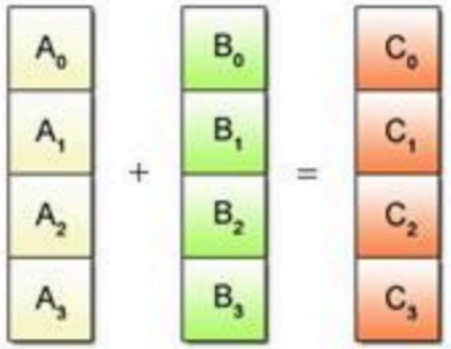



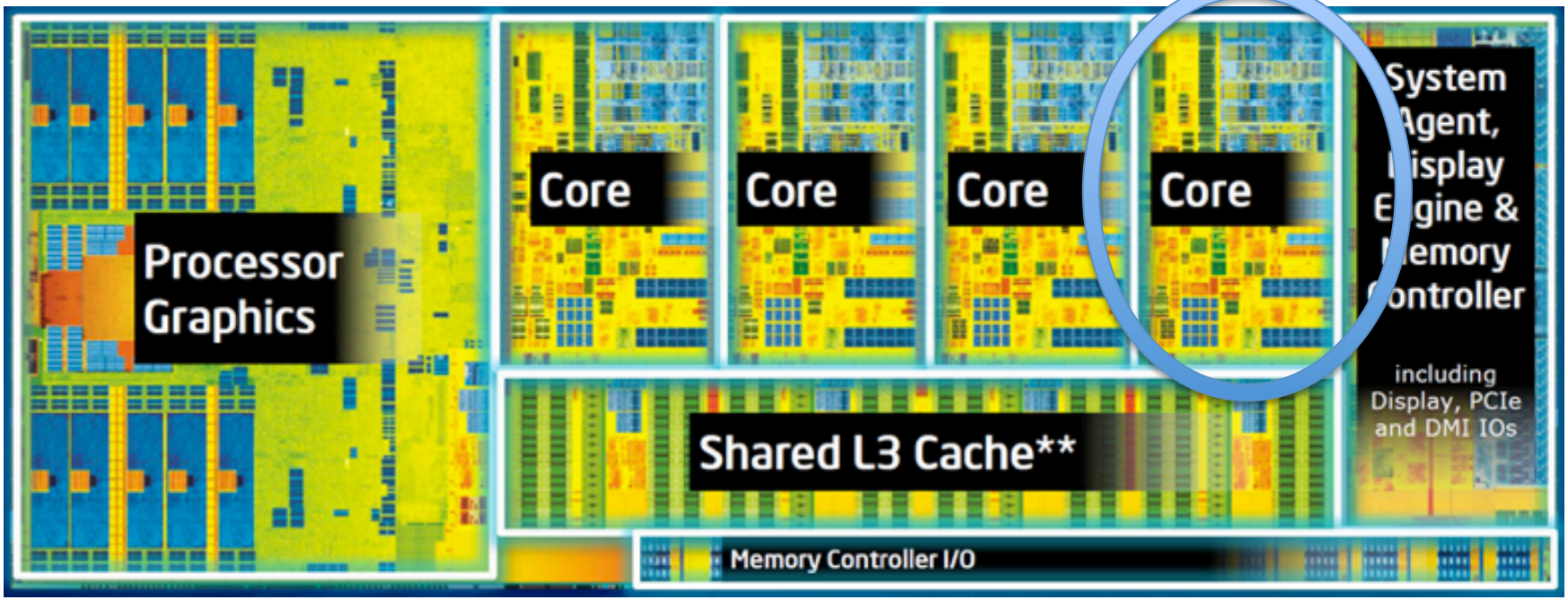

Operazioni vettorizzate (SSE)

addl %eax, %ebx
addl %ecx, %edx
…

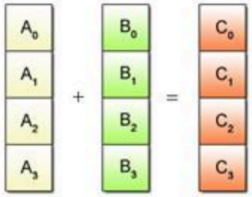

Intel Pentium 4 2000-2008

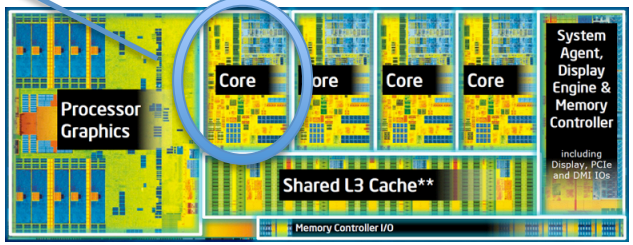
# CPU multi-core

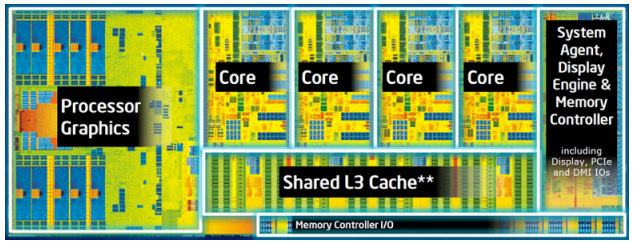



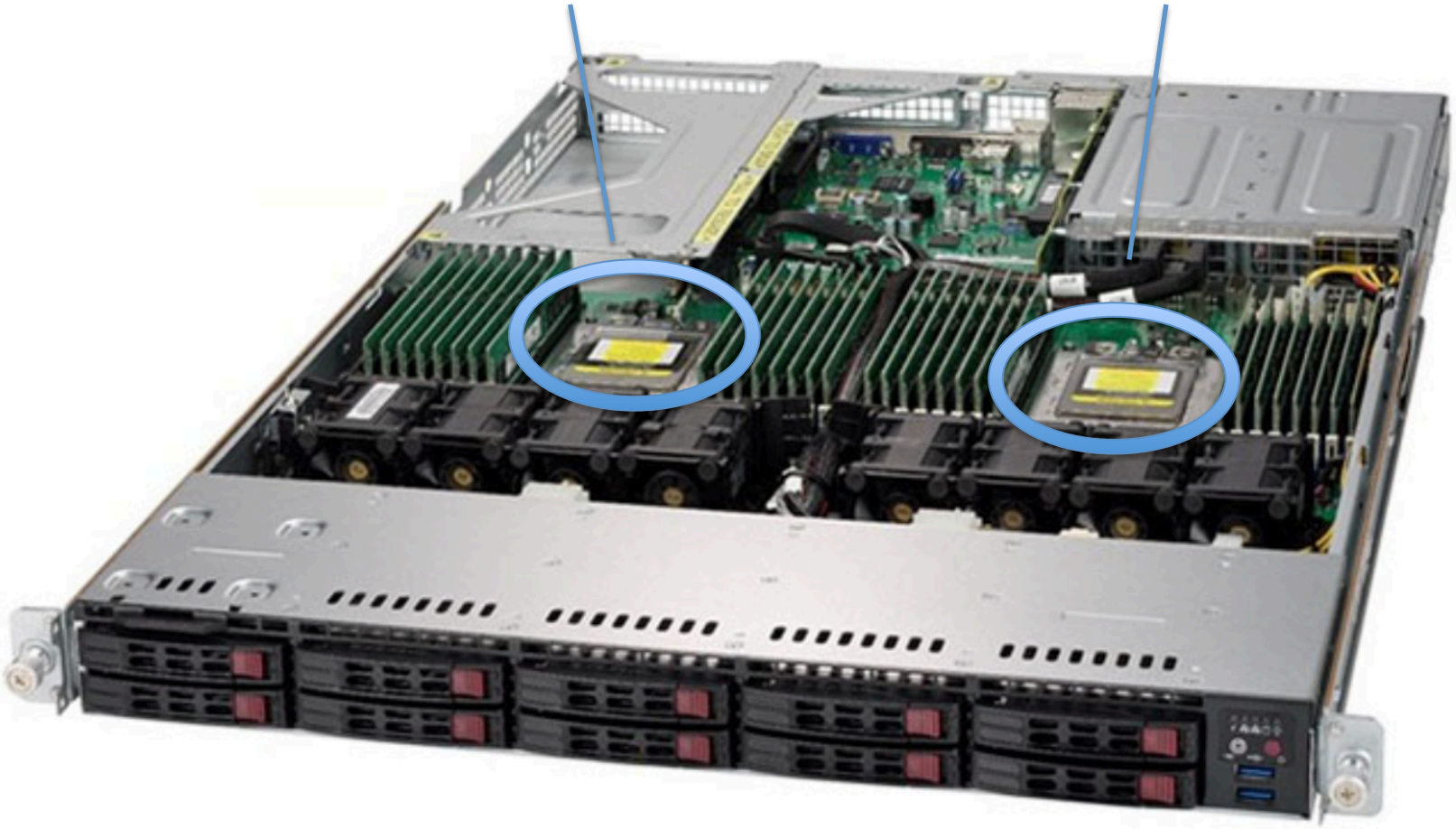



# Server multiprocessore

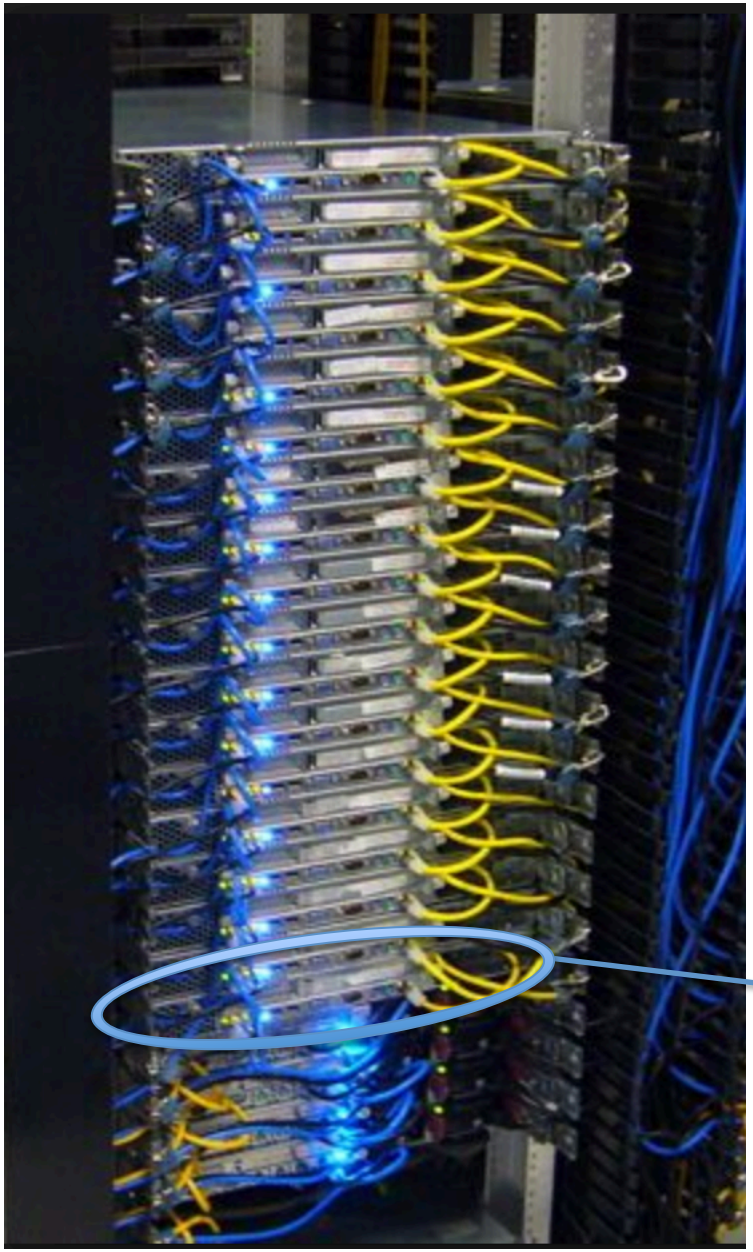


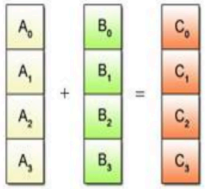



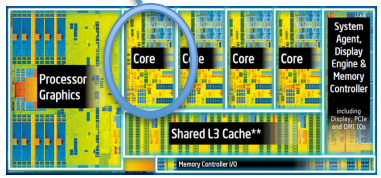



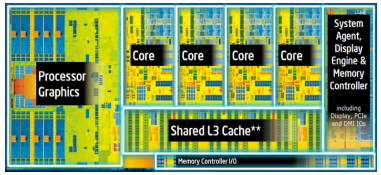



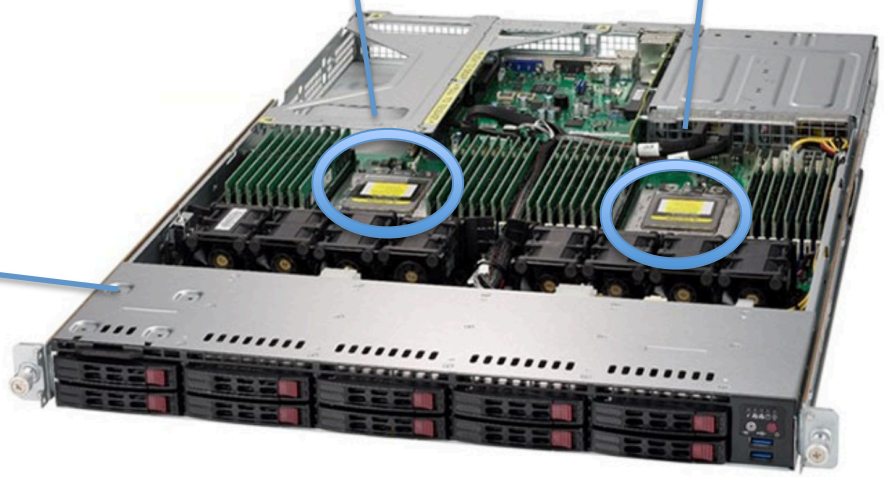
# Server rack (cluster)





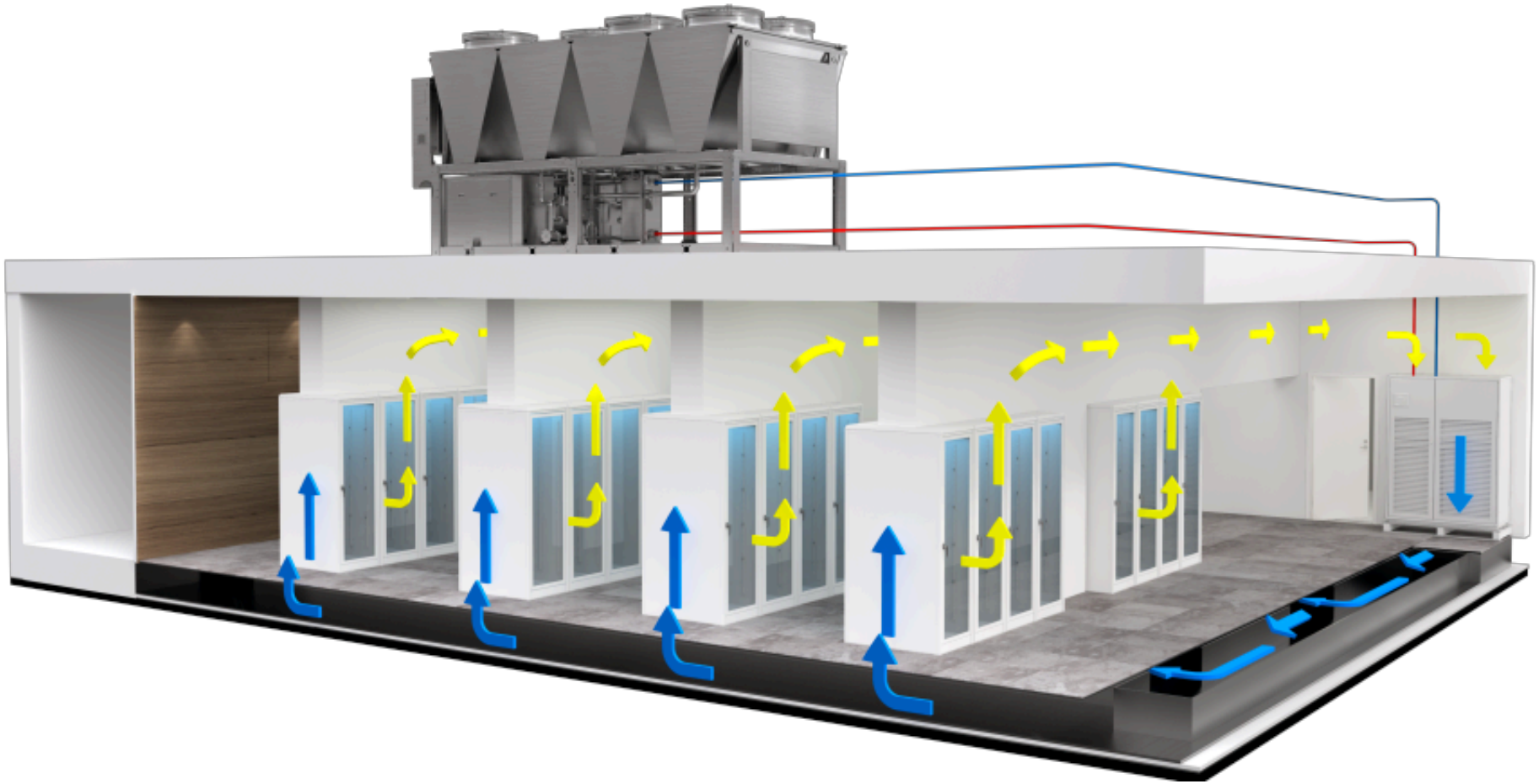



# Data center

# Data center



# Data center