

From TOWER to RACK: 6 BENEFITS OF



DATA CENTER THERMAL OPTIMIZATION

DATA CENTER CHALLENGES

70%

of the 2.5B people that are online worldwide use the Internet every day.¹

45%

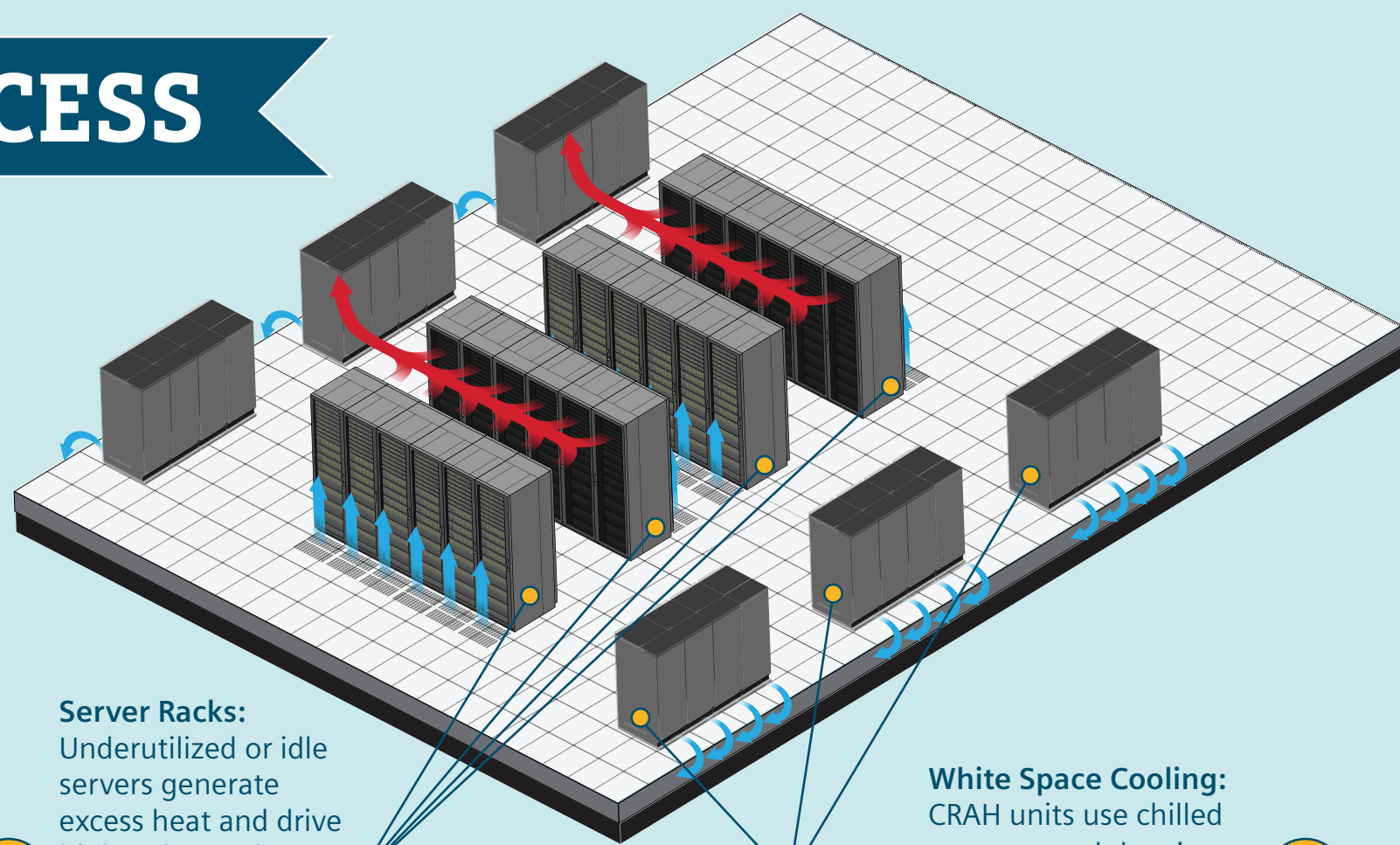
of enterprises don't have scheduled auditing for comatose servers.²

Downtime

Heating and cooling system failure is one of the key causes of downtime.³

As a result, there is a growing need for data center cooling optimization to drive increased energy efficiency.

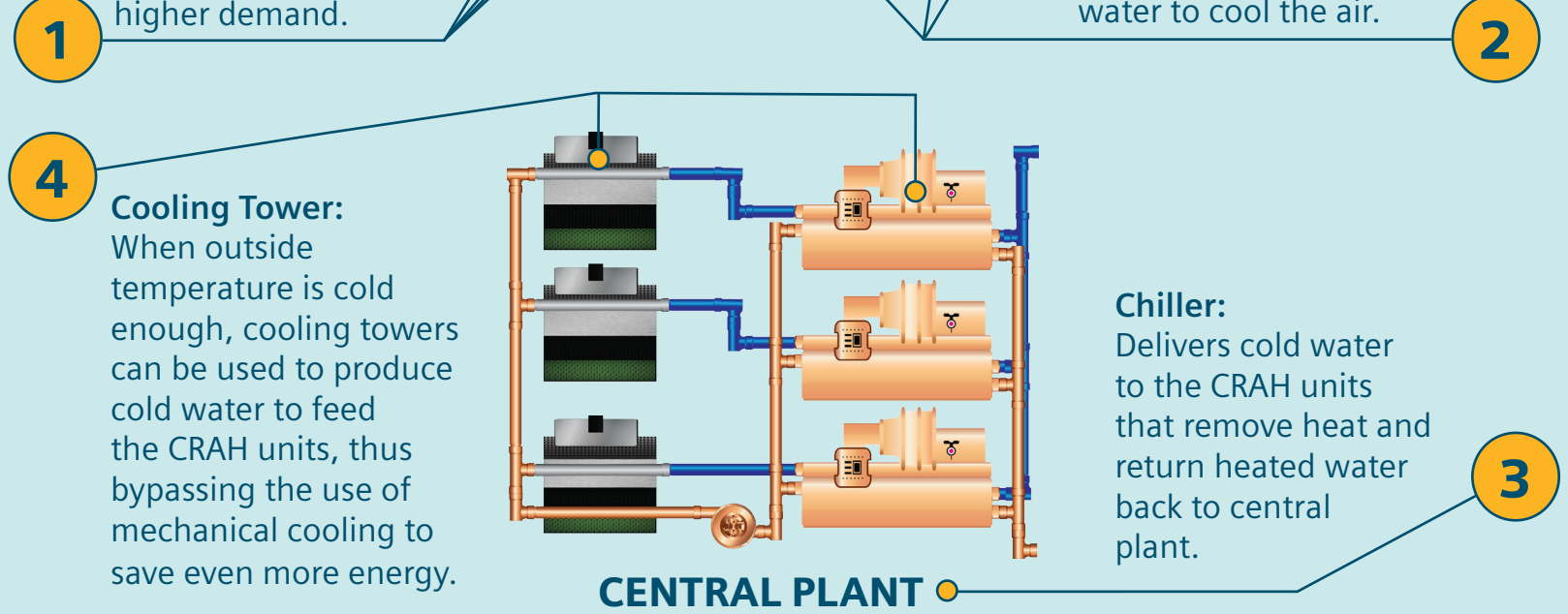
COOLING PROCESS



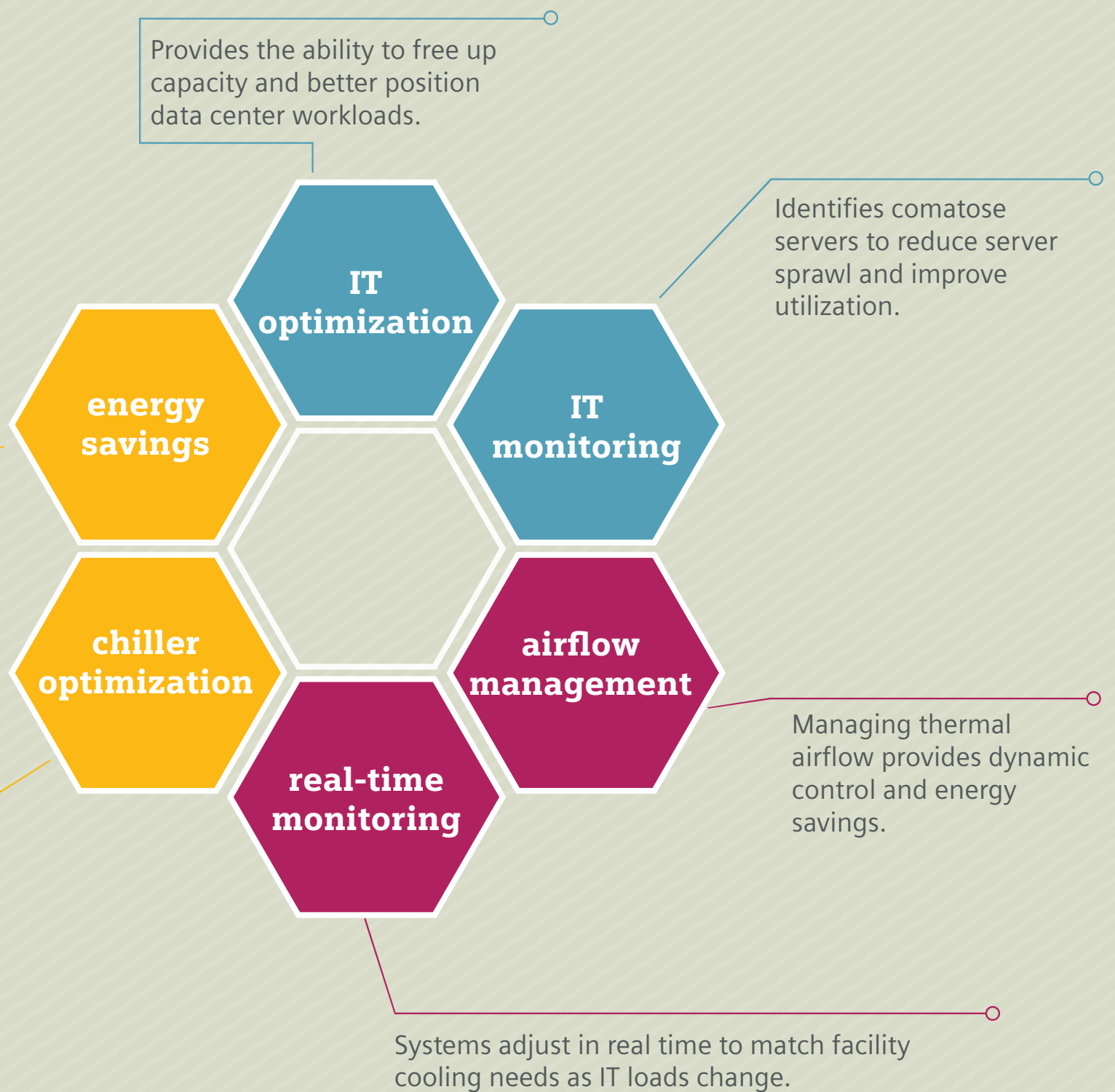
Dynamic facility environments can make it difficult to manage thermal air flow.

20%-30% of servers in large data centers are obsolete or unused—but are still plugged in, consuming electricity 24/7, driving excess heat and higher demand.⁴

Numerous market factors, including volatile energy prices, rising energy demand, and growing interest and legislation around efficiency issues, drive the need for cooling optimization.



6 BENEFITS OF THERMAL OPTIMIZATION



References: 1). Natural Resources Defense Council (NRDC) 2). Uptime Institute 3). Data Center Frontier 4). Natural Resources Defense Council (NRDC)

LEARN MORE:
usa.siemens.com/datacenters