



Efficient Energy for Green IT  
Consult. Validate. Deliver.

# NEXTGEN COOLING SOLUTION

## Pioneering a new standard

### INNOVATIVE AND INTELLIGENT COOLING

#### Better energy use to maximize investments

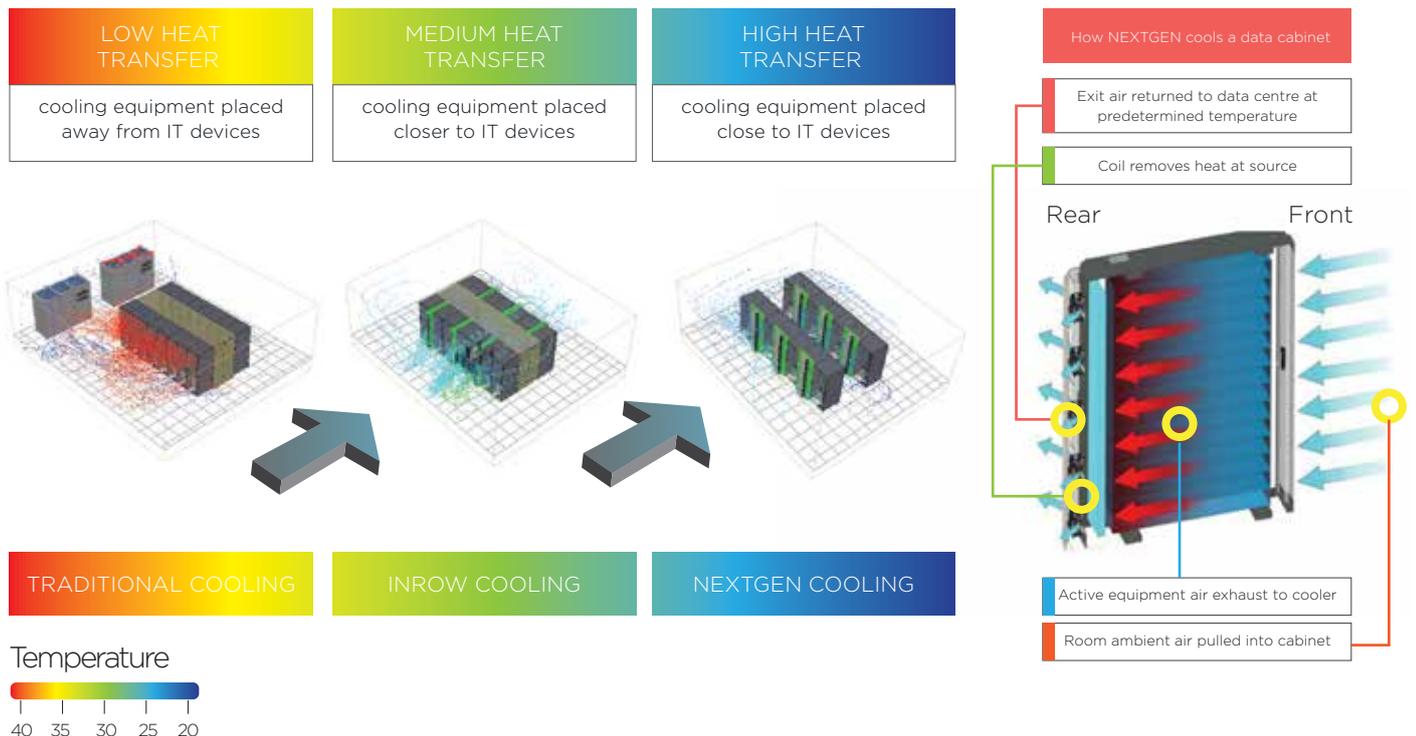
TIM's cooling solution brings **chilling** technology right to the source of the heat, i.e. your IT devices mounted in a rack. With heat eliminated at the source, you will save energy for your enterprises.

### NEXTGEN vs TRADITIONAL COOLING

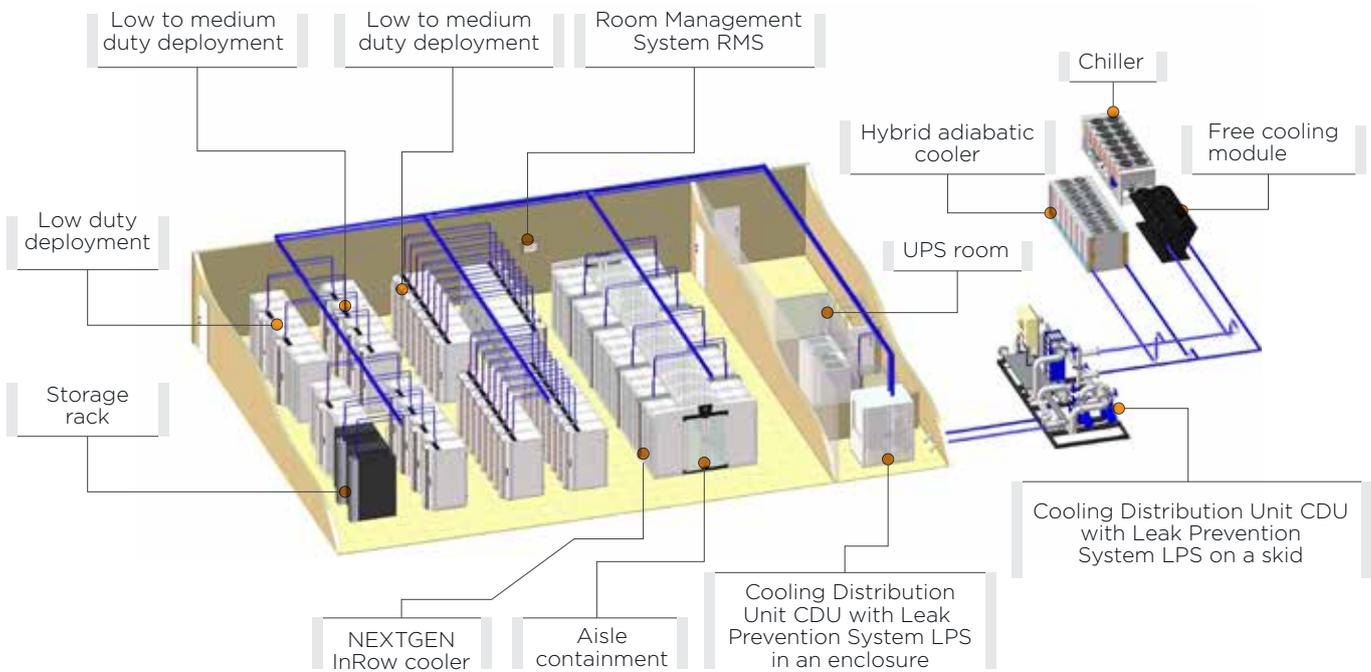
#### Reduce recurring OPEX cost - over 50% energy savings during DC lifespan

While traditional cooling is not flexible to manage and absorb varying rack IT loads, NEXTGEN cooling takes care of it in an efficient manner. Additionally, NEXTGEN maintains uniform temperature across the DC while optimally utilizing designed capacities.

Real estate space utilization is reduced substantially by 80% as against traditional cooling systems.



# BENEFITS OF FLEXIBLE, HIGH EFFICIENCY COOLING SOLUTION



- ▶ **Low recurring OPEX cost:** Over 50% energy savings on traditional cooling and over 35% energy savings on inrow cooling
- ▶ **Lower TCO - Rapid ROI:** Substantial energy savings, lower capital expenditure\* and higher density capability
- ▶ **Flexibility:** High range of effective cooling varying from 45 to 75 KW per rack - compatible with all industry standard brand of racks from 35U to 57U
- ▶ **Reduction in real estate space utilization:** Up to 84% (cooling footprint) white space savings
- ▶ **Patented safety** and system resilient leak prevention system
- ▶ **Lower CAPEX cost:** retrofit capability and no raised floor and containment requirement, leading to reduced CAPEX cost
- ▶ **Efficient heat transfer** with IT heat load and cooling medium set alongside

\* lower real estate space utilization



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