





Green Computing



Improving the prospects for Heat Recovery from Data Centers

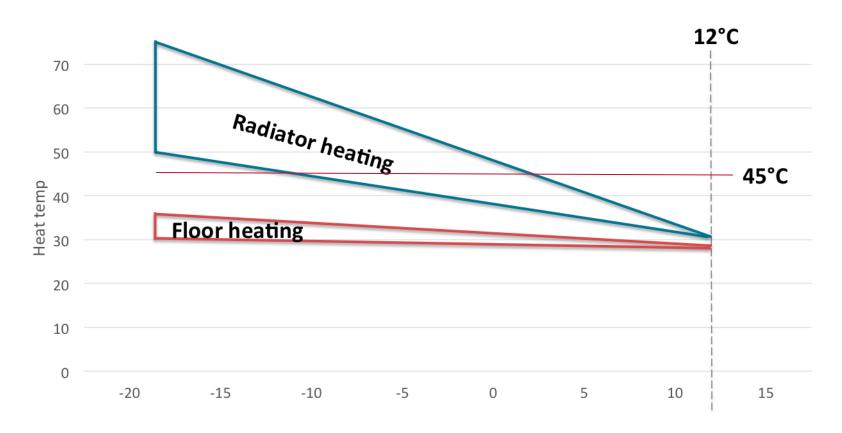
- 1. -What is role of innovation, pricing and regulation for heat recovery from data centers?
 - ✓ There must be an economic benefit for the data centers to make heat recovery
 - ✓ RackCDU easily recover 65+% of the heat from the Datacenter, we just need to find a way to use the heat
 - ✓ We need to make regulation for reuse of heat.
- 2. -What can be done to mitigate the factors preventing heat recovery from data centers?
 - ✓ Eliminate or low taxes so it is profitable
 - ✓ Make it profitable to sell the heat back to district heating.
- 3. -How can heating systems and markets be adapted and developed to increase the value of heat recovery from data centers?
 - ✓ IT and building departments must work together
 - ✓ Make district heating system in the cities so that they can benefit from the recovered heat
 - ✓ Makes it possible to sell the recovered heat



Building heat



Outside temp < 12°C -> need building heat



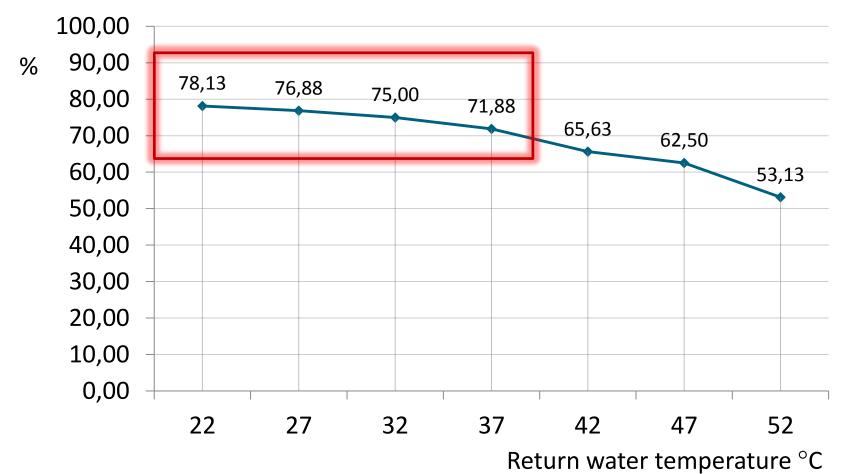


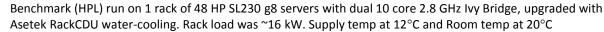
Outside temperature

RackCDU Heat Capture



Initial Test Results*







System and LCP Power

Done

Air Cooled versus Liquid Cooled Power Consumption

