

Engineering Lab Best Practices

At our latest Lunch & Learn, our speakers Mark Honer and Dan Lunderville, shared their go to solutions in addressing their engineering lab challenges. Here is a comprehensive list.



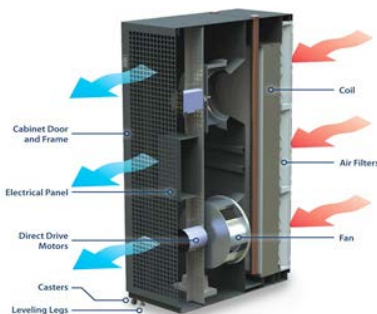
Use **power busways** to minimize downtime and provide flexibility of needing different types of outlets.



Increase density per cabinet and save on costs by using **3-phase power strips**.



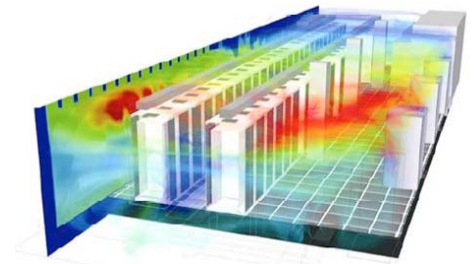
Power monitoring solutions. Meter feeds, rows, racks, outlets. Collect historical information for trending and utilization reports.



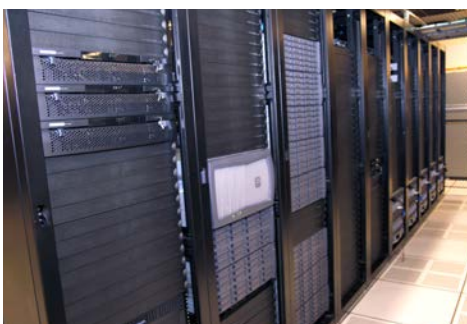
Use **in-row cooling** to improve cooling capacity and allow for modular growth



Install **containment solutions** to improve airflow and increase cooling capacity.



Implement **environmental monitoring**. Get alerted when your lab gets too hot or too cold.



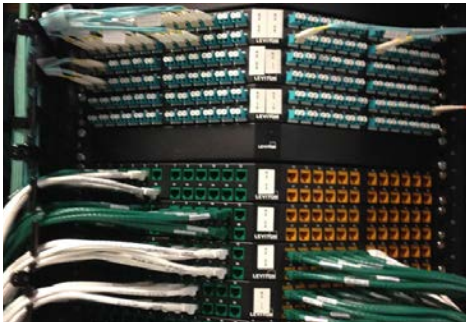
Use **blanking panels** to improve airflow and prevent people from using equipment as shelves.



Camera and surveillance solution to reinforce policies.



Automation via **layer one switches** to improve equipment utilization and speed up test cycles.



Install **patch panels** to ease connectivity and minimise cabling mess.



Mobile, ESD safe carts for supplies and inventory control provide more organization and faster deployment.



Copper and fiber cables with length and unique serial numbers labeled on both ends to easily trace your connectivity.



Color coded cables. For example:
Blue: Management console
White: Device under test
Red: Lab infrastructure, etc.



Color code your input crucial power cord so people will instantly know not to remove it.



Use **ergonomic crash carts**. Avoid tripping hazards.



A versatile **label maker** creates ease of identification and accountability.



Fiber cleaners insure quality connectivity.



Have **good tools** for your team.

Mirapath provides all the solutions above. Please email us at solutions@mirapath.com or call at (877)647-2728 for more information.