High-Performance Right-sized Equipment

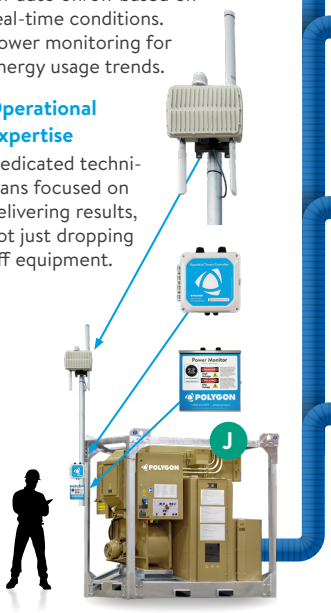
Desiccant dehumidification, heating, cooling, and filtration equipment hand-selected for your specs, budget, and region.

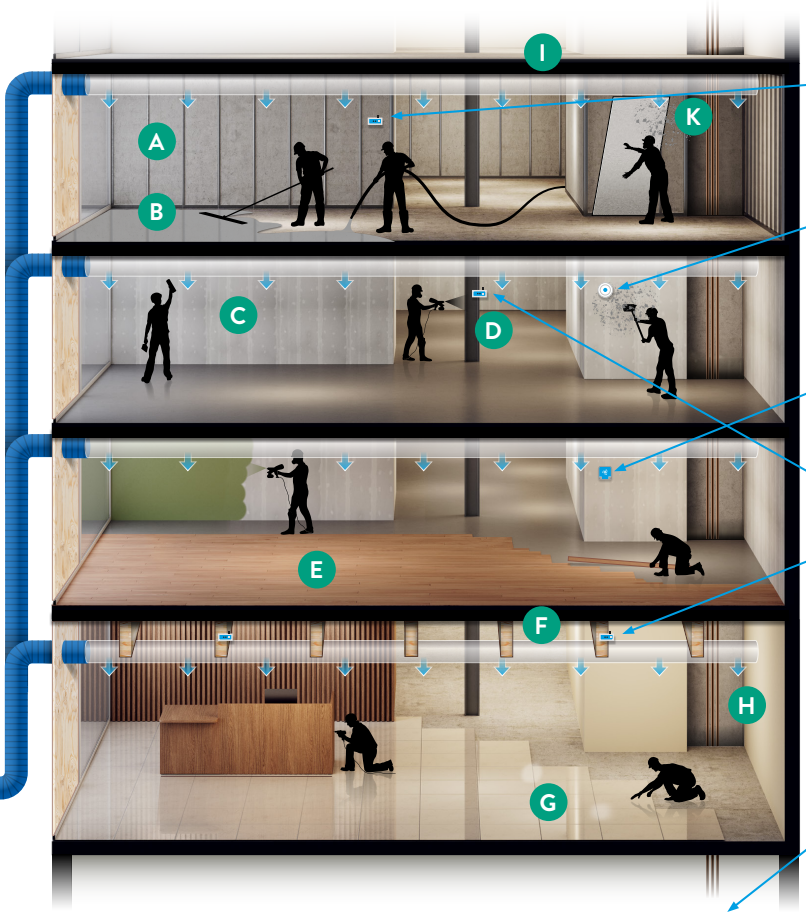
Comms and Intelligence

Cellular or satellite comms for remote areas. Smart controls for auto on/off based on real-time conditions. Power monitoring for energy usage trends.

Operational Expertise

Dedicated technicians focused on delivering results, not just dropping off equipment.





Connected Sensors

24/7 monitoring and alerts of ambient conditions including temperature, humidity, IAQ, VOCs for paint and chemicals, dust particulate matter (PM2.5).

Add-on Features

Plugin probes for surface temperature for fireproofing/coatings and moisture content probes for mass timber, drywall, and concrete.

Water Risk Technology

Leak detection, flow monitoring, and auto valve shut off solutions to mitigate water damage and monitor usage.

Smart Construction Drying

Polygon's engineered climate solutions provide a safe, efficient, and cost-effective approach to mitigating water and moisture issues. Using Polygon means projects stay on schedule and on spec without compromising quality.

WATER AND MOISTURE RISKS:

- **A** High humidity and water intrusion can promote microbial growth.
- **B** Slow drying moisture-latent materials like concrete and gypcrete can push schedules due to unmet flooring spec.
- **C** High moisture levels can delay wallboard activities because of damaged drywall, slow drying joint compound, and joint failure repairs.
- **D** Fireproofing dries slowly inside enclosed areas and can trigger mold.
- **E** Hardwood flooring and millwork can absorb moisture from the air or wet slab resulting in warping and bending.
- **F** Under drying mass timber wood products or excessive moisture can extend timelines and lead to staining, degradation and mold. Overdying can lead to cracking, checking, and delamination.
- **G** Wet concrete slabs can compromise moisture-sensitive adhesives and can lead to early failure.
- **H** Faulty fixtures and broken pipes can trigger a water event or slow, hidden leak causing damage and mold.

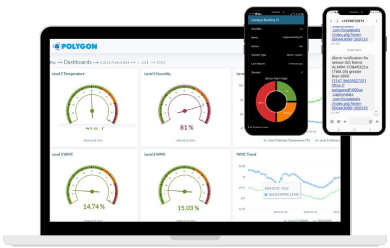
OTHER RISKS:

- **I** Use of in-house HVAC to manage conditions may void warranty and impact future occupants.
- **J** Running equipment when not required wastes energy, labor, and money.
- **K** Excessive heat, cold, dust, and fumes can have adverse effects on sensitive equipment, and worker productivity, health and safety.

HOW IS IT DONE?

A Polygon solution delivers treated air to target areas via temporary duct. A network of sensors alerts personnel to potential issues and tells equipment when to turn on/off to proactively maintain conditions. Dehumidification removes ambient moisture, which speeds up material drying and prevents mold.

The system can mitigate other issues, too. It avoids an early start of the permanent HVAC, protecting the warranty. It can create ideal conditions for workers' comfort, promoting productivity and health. It can monitor IAQ, VOC, and dust levels to support a healthier environment. Lastly, it can operate autonomously, reducing oversight and energy consumption, making it a sustainable and economical solution.



Customizable text alerts, dashboards, and scheduled reports.

1-800-422-6379
polygongroup.us

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