

Data Centers

Mission Critical Water Treatment

With over 120 years of experience in water treatment Garratt-Callahan Company has long been involved with innovation and adaptation to the changes that spur our economy. We've treated water, a vital element for the steam that powered the Industrial Revolution, and now we treat water that cools the high-priority equipment in Data Centers that drive the Age of Artificial Intelligence.

We understand the importance of optimal cooling controls in essential facilities and that almost half of a data center's energy costs are for cooling high-priority equipment. Every facility manager knows that even the most advanced server equipment can be rendered useless if its cooling equipment fails. We understand mission-critical.

Our experts will evaluate your cooling systems and provide solutions to get them performing at their maximum potential. Garratt-Callahan provides cooling water treatment programs that can be scaled for both small and large data centers that will control scale and corrosion. Our data center experts continually evaluate your systems and offer ways to improve efficiency and performance. As a part of the G-C approach, a team of experts will survey your facilities to find sustainable ways to reduce overall energy consumption and meet your operational goals.





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Garratt-Callahan's experts can upgrade your current opened and closed cooling systems by:

- Using KPIs (key performing indicators) to evaluate and bring systems to efficient/optimal levels of Water-Use Efficiency (WUE)
- Reducing energy costs Power Usage Effectiveness (PUE)
- Prolonging the life of the equipment
- 24/7 remote monitoring and treatment capabilities integrated with your monitoring system that adds the following capabilities:
 - Digital Dashboard that can monitor multiple campus facilities on one screen
 - Allow key personnel access to mission-critical information and the ability to treat and monitor remotely
- Addressing concerns before they become problems, we can reduce downtime occurrences
- Utilizing your current plan or help develop a new Water Safety Program to mitigate risks caused by Legionella and other waterborne pathogens
- Continually communicating with your Operations Personnel and keep them informed of any issues or changes noted with our on-site service



Sustainable Solutions

Our “Greener” products include G-C’s SolidTrac[®] program which:

- Uses chemical formulations manufactured into a solid concentrate applied easily on-site with a unique dissolving system
- Lowers carbon footprint – less to transport
- Reduces handling of large drums of chemicals
- Allows for a smaller on-site profile

Using reverse osmosis and filtration technologies, our experts can help facilitate:

- Higher cycles of concentration in cooling towers
- Recycling of cooling tower blowdown
- Reducing makeup water demand
- Reducing liquid discharge
- Achieving the goal of maximizing WUE

Garratt-Callahan's experts can help improve the efficiency of your system from indirect liquid cooling to direct liquid cooling. As water treatment professionals, we have the expertise and the technology to continue to grow and evolve as you update your data center infrastructure.

For more information or to request a quote email us at DataCenters@g-c.com or call 650.697.5811.

Discover more at www.garrattcallahan.com    [@garrattcallahan](https://www.youtube.com/@garrattcallahan)

Headquarters
50 Ingold Road
Burlingame, CA 94010
(650) 697-5811
Fax (650) 692-6098

Southwest Region
13721 Welch Road
Farmers Branch, TX 75244
(972) 661-5006
Fax (972) 980-0822

Midwest Region
340 S. La Londe Avenue
Addison, IL 60101
(630) 543-4411
Fax (630) 543-8382

Southeast Region
100 Fisk Drive S.W.
Atlanta, GA 30336
(404) 691-7440
Fax (404) 691-3411

Northeast Region
306 Talmadge Road
Edison, NJ 08817
(732) 287-2200
Fax (732) 287-1439

