DATA CENTER
Resource 360

Scale with Certainty. Community Connected.



VEOLIA

THE WORLD IS **ACCELERATING**

VEOLIA ENABLES DATA CENTERS TO SCALE WITH CERTAINTY.

Data centers are critical to the digital economy, but their growth is increasingly constrained by energy, water, raw materials, waste management, and local acceptance.



At Veolia, we partner with **data centers** and **municipalities** to deliver integrated solutions that accelerate deployment, secure licenses to operate, and protect long term performance. Our comprehensive approach includes waste circularity and secure asset handling, ensuring communities benefit from sustainable, responsible infrastructure.

YOUR **CHALLENGES**

Scaling data centers today requires balancing rapid growth with resource constraints, regulatory complexity and community expectations across territories.

What used to be a technical challenge is now a territorial equation.

RESOURCE PRESSURE
Energy and water under strain
Growing demand places increasing pressure on local energy grids and water resources, requiring more efficient and sustainable systems.

PERMITTING DELAYS
Approval timelines slowing growth
Complex licensing and planning processes delay projects and create uncertainty for expansion strategies.

COMMUNITY EXPECTATIONS
Demand for local benefit
Communities expect infrastructure to improve quality of life, reduce impact, and deliver visible local value.



OPERATIONAL RISK
Reliability is critical
Increasing scale and compute intensity drives greater complexity and risk across systems, requiring integrated management.

SYSTEM FRAGMENTATION
Disconnected resource management
Energy, water and waste systems are often managed separately, limiting optimization and performance.

DECARBONIZATION PRESSURE
Net-zero targets accelerating
Operators must reduce emissions while maintaining performance and scaling infrastructure globally.

FROM

INFRASTRUCTURE
TO TERRITORIAL VALUE

When designed as part of a wider ecosystem, data centers do more than power the digital economy. They create shared value, support cities, strengthen communities, and improve quality of life.

ECONOMIC GROWTH
Data centers become engines of local development, attracting investment, supporting jobs, and enabling digital economies that benefit both global businesses and local communities.

QUALITY OF LIFE
Through integrated systems, data centers can actively support communities by recovering waste heat to warm homes, improving local infrastructure, and contributing to more liveable urban environments.

ENVIRONMENTAL IMPACT
By optimizing energy, water, and resources, data centers can reduce emissions and environmental pressure by protecting ecosystems while supporting sustainable growth where people live and work.

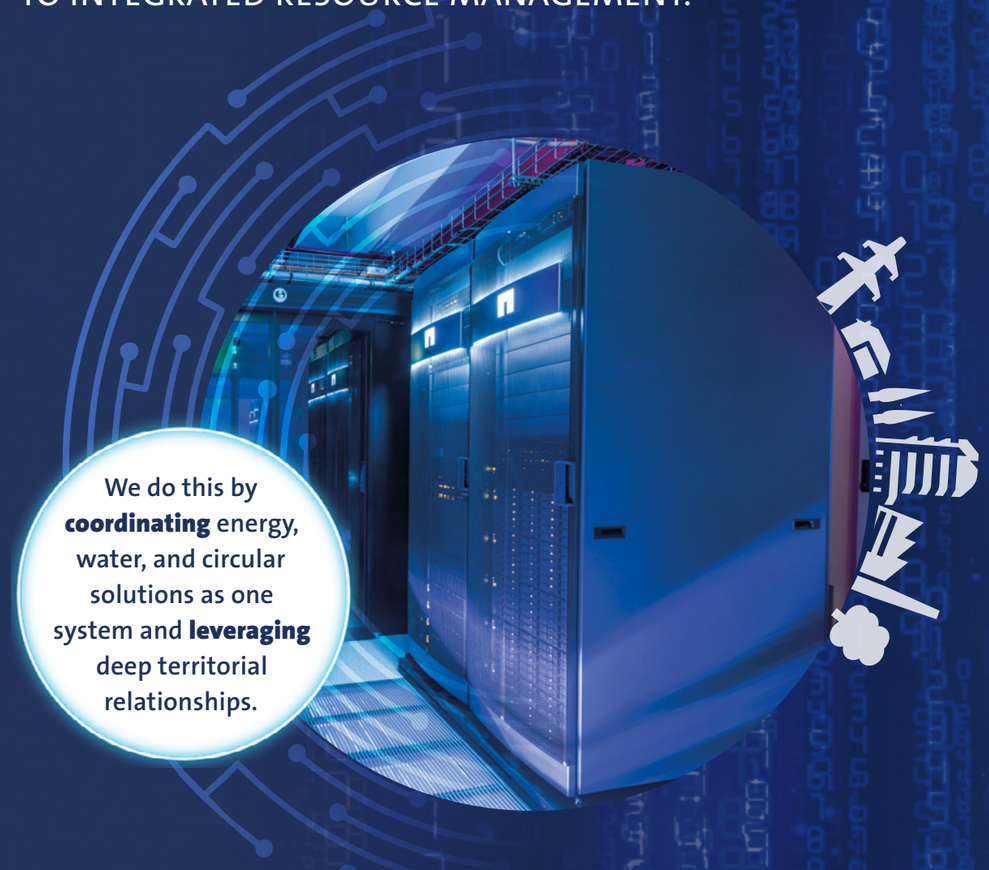
SYSTEM INTEGRATION
Connecting industry, cities, and utilities creates new synergies by turning data centers into active contributors within broader territorial systems rather than isolated infrastructure assets.

VISUAL DIRECTION
Data centers integrated into a living city by showing homes, infrastructure, and environment connected through energy, water, and data flows.

FOR MUNICIPALITIES:	FOR DATA CENTERS:
▶ Enable growth without compromising communities	▶ Win the race for land, power, and approvals
▶ Protect finite resources while supporting territorial development	▶ Scale faster without delay or resistance

INTEGRATED
CERTAINTY AT SCALE

VEOLIA SHIFTS THE MODEL FROM FRAGMENTED SERVICES TO INTEGRATED RESOURCE MANAGEMENT.



We do this by **coordinating** energy, water, and circular solutions as one system and **leveraging** deep territorial relationships.

We don't just connect systems. We align performance with place.

FOR MUNICIPALITIES:	FOR DATA CENTERS:
▶ Ensure infrastructure delivers long-term value environmentally, economically, and socially.	▶ Help accelerate deployment secure resources and reduce risk ▶ Win the race to scale in order to focus on what they do best.

ENERGY SYSTEMS
Low-carbon, resilient energy systems including waste heat recovery, on-site generation and district energy networks.

WATER MANAGEMENT
Optimized cooling, reuse, and full-cycle water solutions.

CIRCULAR SOLUTIONS
Delivering waste and circular economy solutions including e-waste, hazardous waste, battery recycling, secure asset handling, and certified data destruction.

DATA CENTER
Resource 360

AN INTEGRATED OPERATING MODEL COMBINING ENERGY, WATER, AND CIRCULAR RESOURCE MANAGEMENT.

Designed to accelerate deployment, secure licence to operate, and optimize performance across the full lifecycle of a data center. It transforms infrastructure from a constraint into a competitive advantage.

Data Center Resource 360 goes beyond infrastructure delivery. It aligns technical performance with territorial integration, enabling **data centers** to scale faster, while ensuring **municipalities** see measurable environmental, economic, and social value.

CARBON-NEGATIVE
ENERGY SYSTEMS



Energy is the first constraint to scale. Veolia delivers low-carbon, locally integrated energy systems that not only power data centers, but strengthen the territories around them.

FROM ENERGY DEMAND TO SHARED ENERGY VALUE

- Secure access to local reliable, scalable energy
- Reduce carbon footprint at source
- Reuse heat to support surrounding communities
- Integrate into local energy networks.

Low-carbon energy: renewables, heat recovery, district networks

Energy resilience: flexible, reliable systems for continuous operation

Local value: excess energy supports surrounding communities



WATER-POSITIVE BY DESIGN

WATER IS BECOMING A CRITICAL CONSTRAINT FOR DATA CENTER EXPANSION.

Veolia transforms water from a risk into a managed, circular system, ensuring efficiency, compliance, and long-term sustainability.

- ▶ **MINIMISE** water consumption through advanced cooling
- ▶ **REUSE AND REPLENISH** local water systems
- ▶ **PROTECT** ecosystems and local supply
- ▶ **ENABLE** development in water-sensitive regions

Efficient cooling:
renewables, heat recovery, district networks

Water reuse:
closed-loop and optimization solutions

Environmental protection:
safeguarding local water resources

SECURING LICENCE TO BUILD AND OPERATE

THE ABILITY TO SCALE IS DETERMINED BY LICENSING APPROVALS, NOT AMBITION. VEOLIA BRIDGES THE GAP BETWEEN INFRASTRUCTURE AND TERRITORY BY:

ALIGNING STAKEHOLDERS

BUILDING TRUST TO UNLOCK FASTER DELIVERY

NAVIGATING REGULATION

FOR MUNICIPALITIES:	FOR DATA CENTERS:
▶ Transparent, responsible infrastructure	▶ Faster time to market
▶ Long-term territorial value	▶ Reduced project delays
▶ Community alignment	▶ Access to constrained territories

PERFORMANCE

WITHOUT COMPROMISE

Commissioning and integration of critical systems

Operations and maintenance expertises

AT SCALE, PERFORMANCE IS EVERYTHING. VEOLIA OPTIMIZES OPERATION, SO INFRASTRUCTURE CAN PERFORM RELIABLY, EFFICIENTLY AND PREDICTABLY.

Real-time monitoring and optimization

Reliable, resilient infrastructure at scale

WHY VEOLIA?

Veolia is the only partner combining global scale, strong local presence and full integration across energy, water, and waste, making us uniquely positioned to accelerate and secure data center expansion worldwide.

- **170 YEARS ANTICIPATING INFRASTRUCTURE CHALLENGES**
- **UNIQUE ABILITY TO INTEGRATE THREE CRITICAL EXPERTISES**
- **PROVEN ABILITY TO SECURE LICENCES AND OPERATE LONG-TERM**
- **DEEP RELATIONSHIPS WITH MUNICIPALITIES GLOBALLY**



BRAUNSCHWEIG, GERMANY

Veolia designed, implemented and operates a waste heat recovery system, capturing data center heat and integrating it into the local district heating network.

OUTCOME: Waste heat now supplies low-carbon heating to 56,000 residents.

ILLINOIS, USA

Veolia optimized cooling system chemistry and control processes, enabling higher cooling cycles and reducing water and chemical consumption across the data center's operations.

OUTCOME: Reduced water usage by 50% while delivering substantial cost savings.





HONG KONG, CHINA

Veolia provides comprehensive operational support across two large-scale data centers, managing cooling, HVAC, power systems, and infrastructure to ensure performance and sustainability.

OUTCOME: 99.999% uptime delivered across high-capacity, mission-critical facilities.

LET'S ACCELERATE your data center strategy while ensuring it delivers lasting value for communities and territories. Partner with Veolia to build infrastructure that is efficient, accepted, and future-ready.

For **contact details**, please scan the QR code.

VEOLIA



Published by Veolia, May 2026. Photography credit: © Veolia Media library: Boby / Fisheye, Christophe Daguet, Alexandre Dupeyron, Christophe Majani D'Inguimbert, Julien Muguet, Shin Takahashi. © Envato Elements Pty Ltd. Some visuals were created through the collaboration of human creativity and artificial intelligence.

Veolia
30, rue Madeleine Vionnet • 93300 Aubervilliers • France
www.veolia.com