DIGITAL

DATA MANAGEMENT SERVICES

Protect, Control, and Enrich Data Across Its Lifecycle to Drive Value From Information Assets

Peraton

End-to-end data management is critical to enabling data accuracy, accessibility, visibility, and understandability. It establishes a solid, reliable foundation for business intelligence and analytics. The increasing need to access business data, integrating more distributed data sources and leveraging hybrid structures is now a common challenge.

In this complex environment, implementing the right data lifecycle standards, processes, tools, and applications requires in-depth knowledge, skills, and industry-proven methods. Peraton understands data management challenges and can help you manage your data across its lifecycle to gain maximum value.

With the right data management foundation, enterprises committed to expanding analytic capabilities can adjust to rapid mission changes and urgent business demands while ensuring their data is governed and secure.

BENEFITS

- Gain immediate, expert support for data management lifecycle needs

- Speed data products to users by adopting DataOps to accelerate pipelines

- Ensure your data ecosystem delivers on all areas of the Cloud Data Management Capabilities framework (CDMC™)

- Enable analytics by seamlessly collecting, aggregating, and managing internal and external data pipelines in real time

- Make enterprise data accessible through business intelligence applications and dashboards to extract value and insights

OUR SOLUTION

Peraton provides expertise in highly complex data integration and management at a speed and scale that creates a clear path to insight. Our data management services tackle the entire data life cycle: data ingestion, curation, processing, storage, and delivery to end users.

We help organizations make sense of their data environment to take control and tap into their rich data resources, enabling a single version of the truth across business departments, systems, and the enterprise.

OUR APPROACH

From design and agile development to integrating diverse data sources and actionable information where it needs to be, we build practical solutions that enable customers to confidently scale operations, gain valuable insights, and drive business decisions. Our services deliver:

- **Expedited outcomes:** Our skilled data architects, engineers and business intelligence analysts synthesize information across our customers' data environment to improve decision making through easier access to reliable data

- **Effective management of volumes of information:** Our experienced data experts help customers optimize their data life cycle to improve efficiency, reduce risk, and foster innovation

- **Effective governance and protected data:** We help customers maintain the ongoing accuracy and performance of their end-to-end data platform. We engineer and support solutions to meet compliance mandates for data access, retention, and security

- **Reliable operations:** We have supported some of the government's largest data systems—reliably migrating data to the cloud, standing up data integration factories, monitoring enterprise data stores, providing help desk services, securing sensitive information, and delivering data to decision makers.

Data Management

We implement data management best practices such as DataOps, to gain efficiency from data curation processes and automation. We apply our proven methodologies and accelerators in high-volume, complex data environments that are characteristic of large organizations. We define the information and technical architecture required to capture and deliver information from diverse sources, bringing together data for cross-functional analysis—whether it's data lakes, data warehouses, graph databases, operational data stores, etc.

Through information quality initiatives such as metadata management and governance, we improve the accuracy and reliability of data—making it transparent, accessible, traceable, and certifiable.

Peraton's data management services are comprehensive and offer flexible options to overcome talent scarcity and resource constraints. We enable analytics by seamlessly collecting, aggregating, and managing internal and external data pipelines in real time. We make this happen by providing an experienced team of data engineers, integration specialists, and data scientists with rich domain experience to collaborate with and support an organization's existing data management teams.

We provide core data management services. Our expert team of 1000+ data scientists and engineers deliver services based on industry best practices to expedite data-driven outcomes. Specific services include:

- Data architecture, Data mesh, Data fabric
- Data ingestion, ETL
- Data modeling
- Data integration
- Data warehousing, data lake
- Governance
- Data quality
- Data security
- Metadata management
- Data migration

Cloud deployments are accelerating new data and analytics capabilities with increased flexibility. Peraton understands information on an enterprise scale and supports the management of complex environments. We implement data mesh frameworks to integrate data to support increasingly sophisticated analytics and user communities.

Business Intelligence

A critical success factor in any large-scale business intelligence solution is ensuring that target users can access and understand enterprise information to make quicker and better business decisions.

Peraton offers extensive expertise in developing a variety of information delivery solutions that not only provide the right information to your target users, but that also deliver it in a way that can be easily understood to spot trends, red flags, and business opportunities.

We work collaboratively with customers across the full business intelligence (BI) life cycle including analysis, design, development, testing, deployment, post-production support/maintenance, documentation, and end-user training.

We assess your requirements and combine tools, technologies, processes, and data to deliver information to the proper audiences empowering your workforce, strengthening your mission, and improving overall decision making. We work with your team to:

- Identify information needs of various user groups
- Determine the most appropriate information delivery requirements for each group, including required reports, necessary querying functionality, and access methods
- Evaluate tool options
- Implement robust information delivery solutions that are easy-to-use, yet scalable

Peraton delivers information to decision makers with intuitive dashboards and comprehensive reports that display key performance indicators, patterns, and predictive analysis across critical mission areas. Our visualization experts are proficient in design and development of dashboards and reports utilizing modern analytic tools including Qlik, Tableau, PowerBI, as well as open-source tools.

We develop a range of visualization types for users to easily grasp the results of the analysis and enable drill down and filters to explore detailed data. We created a specialized geospatial visualization approach for a public health customer to intuitively display complex information to provide a "single pane of glass" to enhance situational awareness.

We employ high-performance, scalable technologies to help users access the information they need, when they need it, to improve productivity and collaboration across and among teams. With deep technical expertise throughout the entire data life cycle and business intelligence journey, Peraton's data experts provide proven sustainable and future-ready solutions.

CONTACT US

To learn more, contact digital@peraton.com or visit peraton.com/capabilities/digital/.