iBase-t

Your Mission is Our Business

Complex Made Simple

Who We Are

iBase-t is a software company that simplifies how complex products are built and maintained. For more than 30 years, we've been delivering solutions that ensure digital continuity across manufacturing, quality, and maintenance, repair, and overhaul (MRO) operations on a global scale.

What We Do

The convergence of global supply chains, end-to-end systems integration, model-based enterprise (MBE) and the industrial internet of things (IIoT) create a wealth of possibilities for manufacturers — but new paradigms also introduce complexity, risk, and plenty of challenges.

That's where iBase-t comes in. We work with clients in complex discrete manufacturing to address challenges in business, manufacturing operations, integration, compliance, and sustainment. Leveraging our Solumina Manufacturing Operations Platform, we help clients build a connected manufacturing operations ecosystem and model-based enterprise that enables them to take full advantage of the latest technologies to drive quality, velocity, and efficiency.

Who We Serve

iBase-t has innovated and collaborated at the highest levels of manufacturing technology. Our manufacturing operations platform is purpose-built to serve complex discrete manufacturers and service providers who design, produce, and sustain highly engineered products. These products often encompass thousands of components and sub-assemblies, hundreds of suppliers, years of planning and production, and stringent regulation.

Key Industries

Aerospace & Defense

We leverage our deep A&D industry experience to help customers navigate strict regulations, extended supply chains, upskilling, and continuous improvement.

Specialty Transportation

We help shipbuilders and other specialty transportation industries reduce worker training requirements and improve visibility while maintaining quality and compliance.

Space & Satellite

We enable space and satellite programs to employ digital manufacturing technologies to improve connectivity and efficiency in the critical builds of high-value assets.

Industrial Equipment

We help industrial equipment manufacturers build and maintain some of the most complicated products in the world while responding to rising demands around quality, innovation, and pricing.

Nuclear

We support nuclear armaments and propulsion clients in managing stringent quality and regulatory standards while reducing costs and improving program performance.

Medical Device

In a highly-regulated market where failures can be catastrophic, we help manufacturers improve quality, manage compliance, and stay competitive at the same time.

Electronics

In an industry that needs to continually launch new products to stay ahead, we provide the visibility and control required to reduce costs while improving productivity and quality.
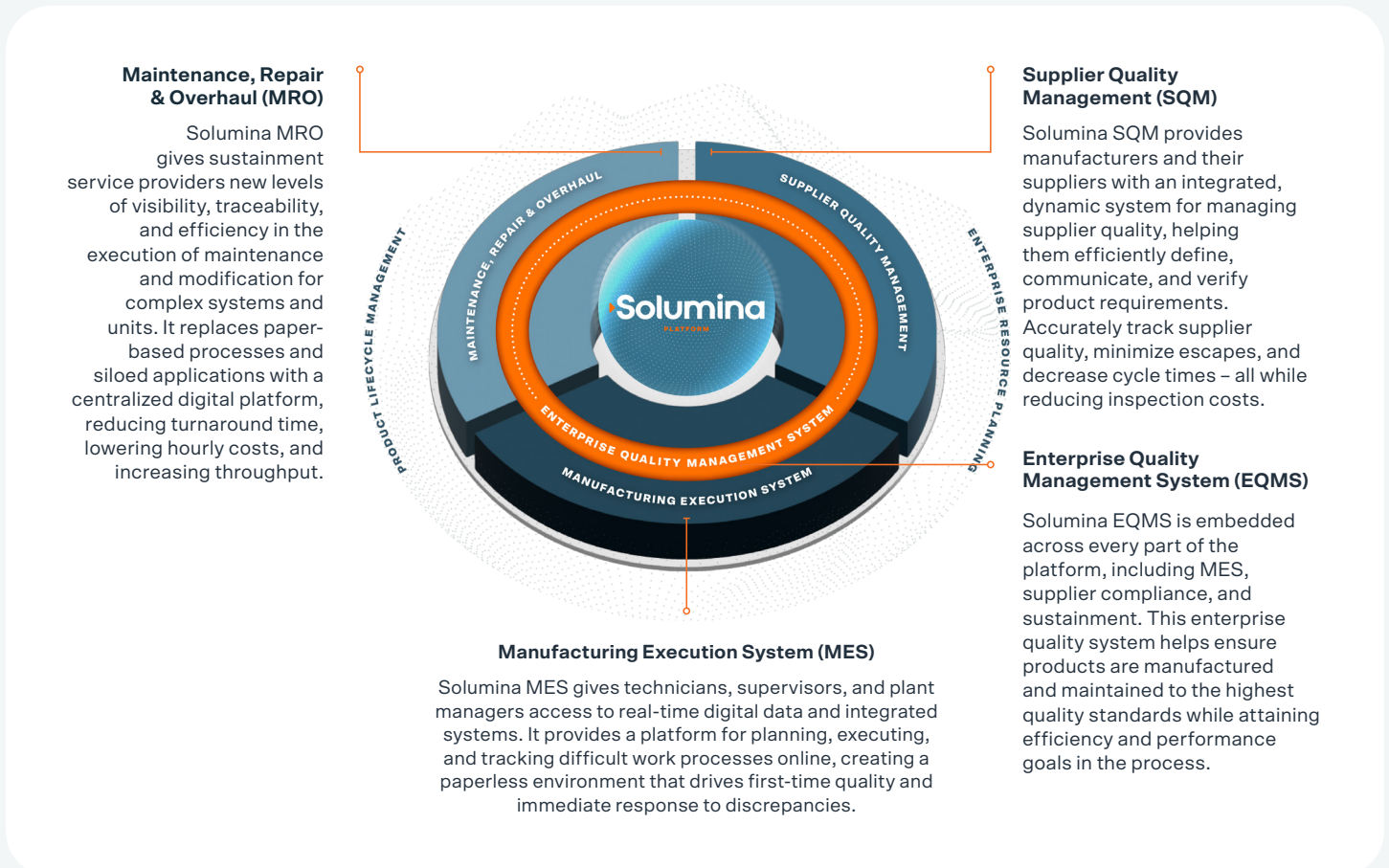
Problems We Solve

Our customers deal with a wide variety of challenges, including constant change management, heavy product customization, strict regulatory requirements, and zero tolerance for defects. Our manufacturing operations solutions help them eliminate obstacles, seize opportunities, and manage risk in order to:

- Drive profitability
- Reduce waste and inefficiency
- Integrate value chains from end to end
- Manage engineering change and document as-built specifications
- Deliver on time
- Make decisions based on data-driven intelligence
- Standardize best practices and ensure global process precision
- Automate workflows and inspections
- Drive digital transformation and model-based engineering initiatives
- Increase quality and ease compliance burdens

Our Solutions

The Solumina Manufacturing Operations Platform by iBase-t is the only natively integrated suite of manufacturing execution (MES), supplier quality management (SQM), and maintenance repair and overhaul (MRO) solutions with enterprise quality management (EQMS) embedded throughout.
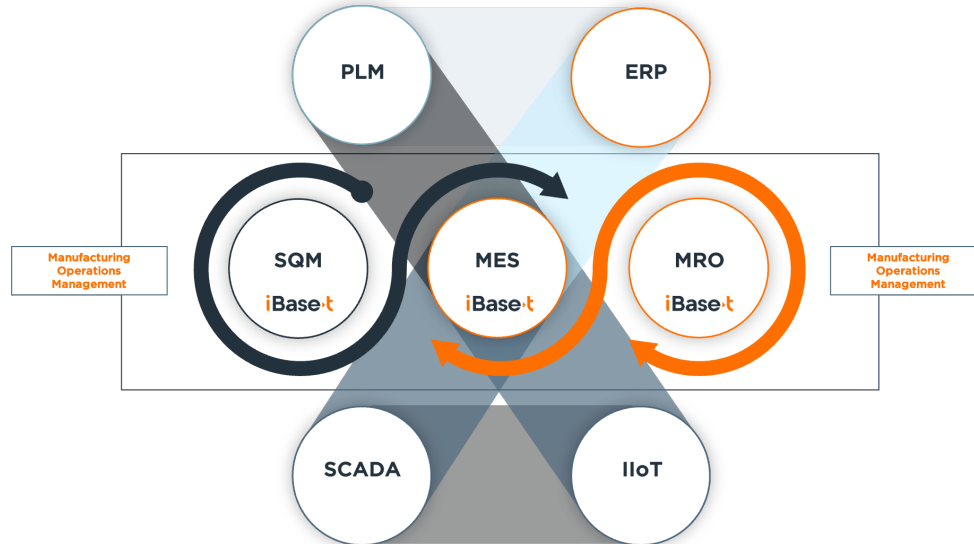
Maintenance, Repair & Overhaul (MRO)

Solumina MRO gives sustainment service providers new levels of visibility, traceability, and efficiency in the execution of maintenance and modification for complex systems and units. It replaces paper-based processes and siloed applications with a centralized digital platform, reducing turnaround time, lowering hourly costs, and increasing throughput.

Supplier Quality Management (SQM)

Solumina SQM provides manufacturers and their suppliers with an integrated, dynamic system for managing supplier quality, helping them efficiently define, communicate, and verify product requirements. Accurately track supplier quality, minimize escapes, and decrease cycle times – all while reducing inspection costs.

Enterprise Quality Management System (EQMS)

Solumina EQMS is embedded across every part of the platform, including MES, supplier compliance, and sustainment. This enterprise quality system helps ensure products are manufactured and maintained to the highest quality standards while attaining efficiency and performance goals in the process.

Manufacturing Execution System (MES)

Solumina MES gives technicians, supervisors, and plant managers access to real-time digital data and integrated systems. It provides a platform for planning, executing, and tracking difficult work processes online, creating a paperless environment that drives first-time quality and immediate response to discrepancies.

What Sets Solumina Apart

- **Designed for complex discrete** – Solumina is purpose-built for manufacturers of complex products with multiple levels of sub-assemblies, frequent engineering changes, and stringent regulatory requirements.

- **Embedded quality management –** In complex discrete manufacturing, rigorous quality and safety standards and a host of regulations leave little room for error. That's why an enterprise quality management system (EQMS) is embedded throughout the Solumina platform to enforce quality throughout all production and sustainment operations.

- **Cloud-native architecture –** Solumina is a cloud-native solution built on a microservices architecture that offers scalability, reliability, and lower upfront costs than on-premises solutions. Implementation and integration are faster and easier, leading to rapid realization of benefits and return on investment, as well as easier adoption of new technologies.

- **MBE Infrastructure –** Solumina creates the technology infrastructure manufacturers need to harness the latest advancements in model-based engineering (MBE) – from augmented reality guidance for the workforce to IIoT connectivity for equipment – driving operational efficiency, intelligent decision making, and more effective customer and supply chain collaboration.

Extending Your Ecosystem

Beyond its own natively integrated components, Solumina also leverages open, cloud-based APIs to support seamless integration with other enterprise software systems, such as: Product Lifecycle Management (PLM) , Computer Aided Design (CAD), Enterprise Resource Planning (ERP), Labor Time and Attendance, and more.

Integrating these systems with the Solumina platform creates a digital thread – a powerful communication framework that allows a connected data flow and integrated view of an asset's data throughout its lifecycle across traditionally siloed functional perspectives.

The synchronization of design information, business records, and resource needs with your production, quality, and sustainment processes not only eliminates repeat data entry and streamlines business processes – it also enables a closed feedback loop between design requirements and variables from your production and sustainment processes, driving quality and innovation over time.

How We Deliver

Our Implementation Methodology

iBase-t utilizes our Solumina Implementation Methodology (SIM) to deliver an effective and efficient Solumina software implementation for our customers.

- Beginning with explorative conversations, we identify your value drivers in order to tailor your implementation. These value drivers are carried through each phase of the implementation and discussed with you along the way.

- Once we have a thorough understanding of your process, we share our standard functionality user stories, which are specific user-focused areas of functionality, to show you exactly how to perform your process within Solumina. Many of these user stories have been developed over time with the input of former Solumina users who have become iBase-t employees.

- Lastly, our team uses a combination of the "Day in the Life" process map and the user stories to show you exactly how Solumina meets the needs of each role and all the business processes in your organization. This will enable the ultimate value and power of Solumina.

Our Implementation Team

At iBase-t, manufacturing veterans, digital visionaries, supply chain experts, and technology specialists work together to leverage their deep domain expertise for the benefit of our customers and partners. Our world-class implementation team is comprised of individuals with combined decades of Solumina, industry, software development, and implementation experience. Our team will guide you through each step of your implementation, teach you how to use Solumina to meet your day-to-day goals, and ensure you are maximizing the value of your solution.

Our Partners

The iBase-t Partner Program simplifies and accelerates our customers' ability to leverage Solumina for digital transformation and business impact. We leverage our partners' complementary knowledge, unique technology, implementation, integration skills, and intellectual property to drive real value.
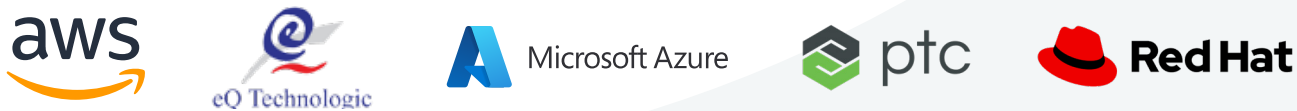
System Integration Partners

In addition to our team of in-house implementation experts, iBase-t also leverages our network of world-class system integration partners to deliver our solutions to clients around the world.

accenture   ATS   CHARA   COMBITECH

CYIENT   DXC TECHNOLOGY   Infosys   Razorleaf

Technology Partners

Our network of technology partners seamlessly integrate best-of breed applications including PLM, ERP, IIoT, and more to build and enrich the digital thread. We also partner with cloud services providers to provide a reliable, scalable, low-cost infrastructure platform in the cloud.

aws   eQ Technologic   Microsoft Azure   ptc   Red Hat

Why iBase-t?

Our mission is to bring safety, security, sustainability and confidence to the world of complex discrete operations to drive higher quality and performance.

If you produce products that cannot fail, contact the experts at iBase-t to guide your team through the process of planning, building, and tracking your program – from design to final retirement.

To learn more or book a demo visit **www.iBaset.com**

- **Dedicated to Complex Discrete** – Since 1986, our team has been providing solutions to drive innovation in the most complex and critical manufacturing environments. Unlike "one-size-fits-all" solutions, our platform is designed specifically to meet the needs of complex discrete manufacturers and sustainment providers.

- **Organic Product Evolution** – Our Solumina platform was developed organically in-house, not patched together from disparate acquisitions and loose integrations. The result? A more comprehensive, seamlessly integrated, and stable solution.

- **A World-Class Team** – The iBase-t team is equipped with deep industry experience and a passion for solving our customer's challenges. Our domain expertise is second to none, with many team members being veterans of complex discrete manufacturing themselves

- **A Trusted Partner** – iBase-t has long been trusted by the most prominent names in the industry, including Lockheed Martin, Northrop Grumman, Rolls Royce, Pratt & Whitney, and Textron. Many of our customers have been using our solutions for over 20 years.

- **Innovation-Focused** – From model-based manufacturing to the industrial internet of things (IIoT), AI, and beyond, iBase-t continues to invest in leading-edge technologies and process innovation so that our customers can create the products their dreams are made of.