Riverbed for Pharmaceutical Manufacturers

A simple, smart, and open suite that optimizes the digital experience of pharmaceutical manufacturers employees and customers.

Overcoming regulatory obstacles, navigating the complexities of clinical trials, and adhering to stringent safety requirements often result in prolonged drug development timelines and escalating expenses. Simultaneously, increasingly rigorous regulations necessitate pharmaceutical companies to exert even greater control over their research and development, trials, manufacturing, security, and data management.

Sustainability has emerged as a central focus, with pharmaceutical manufacturers striving to achieve net-zero operations in alignment with broader industry commitments to environmental responsibility.

Solving Key Challenges for Pharmas

Addressing these multifaceted challenges calls for the implementation of advanced IT systems to empower research scientists and clinical data managers in their roles. This entails the modernization of Laboratory Information Management Systems (LIMS) and clinical trial systems, incorporating artificial intelligence and automation, and ensuring robust governance and control—all while optimizing resource utilization, both economically and environmentally.

"Leading companies will likely invest in digital technologies such as AI, data analytics and machine learning to help accelerate the drug development process"

Glenn Hunzinger, US Pharma and Life Sciences Leader, PwC US

Transform R&D and Manufacturing Applications

R&D is the lifeblood of all pharmaceutical and life science companies and there is constant pressure to create more innovative medicines faster. New scientific discoveries offer big chances to improve patient health while increasing company revenue. But since everyone is competing for these new ideas, it's crucial to speed up developing these assets to get them to market quicker.

The latest round of innovation focuses on smaller groups of patients and personalization, making the industry move away from blockbuster drugs for everyone.

Investing in better R&D applications is also becoming increasingly important. With advancements in digital tools and data analytics changing how we make medical advancements and do R&D work, having the right technology is key to staying at the forefront of innovation in the pharmaceutical industry.

"When R&D organizations put their backbone in place and move toward their future state, they are not engaged in a one-off exercise"
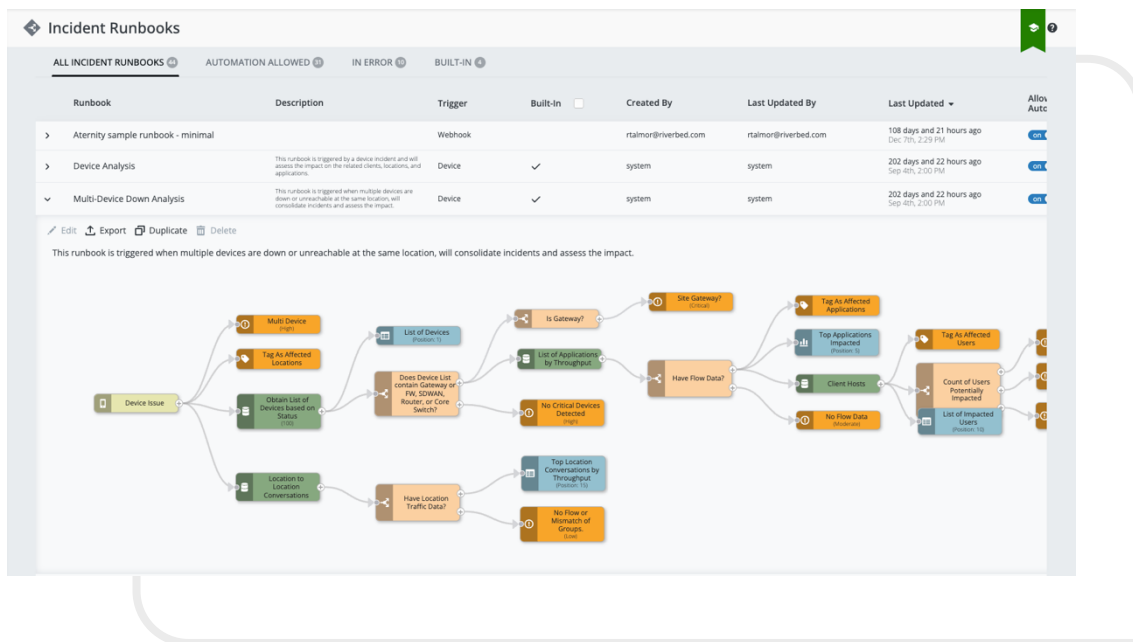Transforming biopharma R&D at scale, McKinsey & Company

Figure 1: Riverbed provides automation of incident runbooks to ensure that core R&D services and networks are working.

Ensuring Decentralized Clinical Trials

Traditional clinical trials often involve participants traveling to centralized study sites, which can be burdensome and may limit the diversity of the study population. In contrast, Decentralized Clinical Trials (DCTs) aim to decentralize the trial processes, making participation more convenient for patients and potentially improving the overall quality of the study.

This approach to conducting clinical research by leveraging digital technologies and remote processes gives much more efficiency, accessibility, and patient-centricity. However, it places an even greater level of importance on the clinical trial applications and the networks they run over.

Riverbed monitors the digital experience of patients, advocacy groups, clinicians and healthcare providers using the clinical trial application to ensure it meets the level of service required, and quickly resolves issues when they occur.

Optimizing performance, and proactively addressing application performance problems before they impact the trial helps improve the patient experience while accelerating approval and patenting.
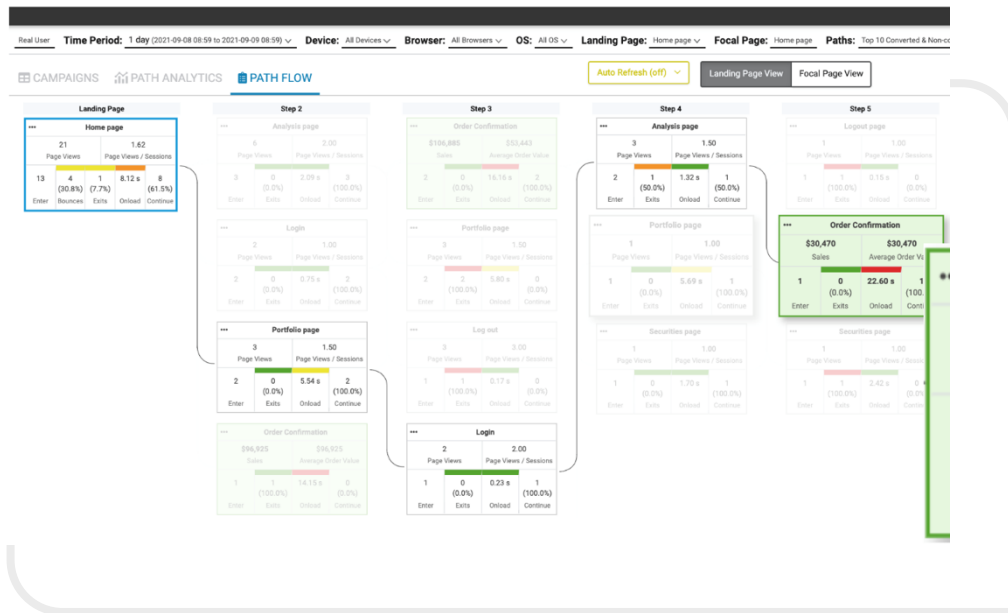

Figure 2: Ensure omni-channel decentralized clinical trials for patients, advocacy groups, clinicians and healthcare providers

Assure Security, Regulatory Compliance and Sustainability

Pharmaceutical and life sciences companies, facing various regulations and compliance demands depending on their locations, find valuable support in Riverbed solutions. These solutions simplify compliance and audit processes, ensuring that everything stays on track. With user-friendly historical reporting and reliable long-term audit trails, Riverbed helps keep disruptions to a minimum during internal and external compliance checks.

With a growing emphasis on environmental responsibility, many pharmaceutical companies are actively working to reduce their ecological impact. Riverbed's unique ability to gather information across networks, infrastructure, applications, devices, and users proves instrumental in driving eco-friendly initiatives based on informed data decisions.

Riverbed offers ready-made dashboards that provide insightful views into energy consumption and carbon emissions at the individual, organization, and company levels. By implementing changes such as adjusting

power plans and guiding users on efficient energy use, Riverbed actively contributes to cost savings and a positive reduction in the carbon footprint.

Riverbed can also help reduce the waste and costs related to employee device refresh programs by correlating user experience to device health and performance. This can prolong the life of employee devices by replacing only those devices that aren't performing well.

"It is beneficial for pharmaceuticals and life sciences companies to take a step towards sustainability: Firms that pursue a sustainable strategy and solidify their reputation as a sustainable company will gain the trust of governments, global institutions, and other stakeholders"
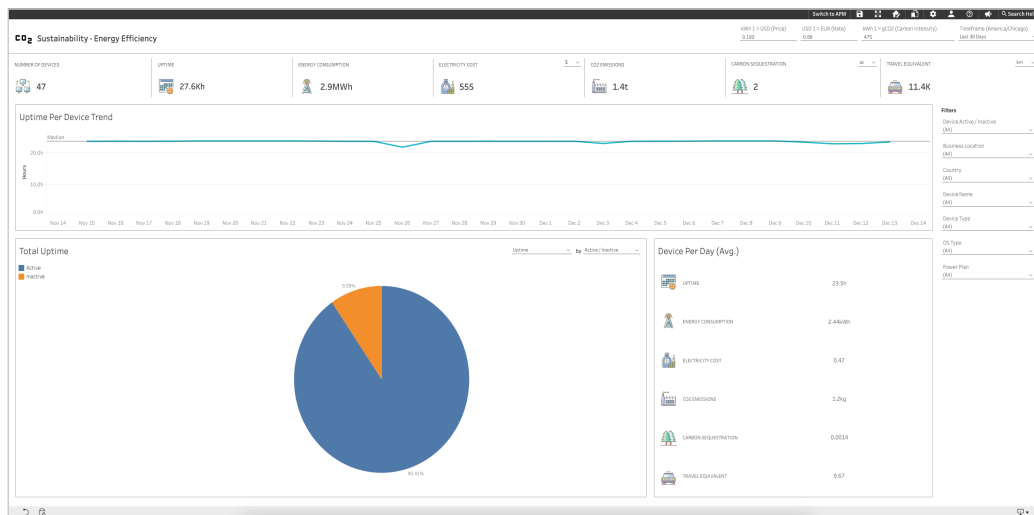Dr. Robert Paffen,Leader Risk & Regulatory, PwC

Figure 3: Out-of-the-box dashboards provide actionable insights into energy consumption and carbon emissions at both the individual and company level

Learn more

Riverbed provides unified observability that extracts the value of data by providing actionable insights and intelligent automation across complex hybrid cloud infrastructures. By capturing full-fidelity user experience, application, and network performance data, Riverbed can contextually correlate data streams and alerts to provide healthcare providers with the actionable insights they need to successfully manage their digital transformation while minimizing risk.

To support the core infrastructure that powers business critical applications, Riverbed accelerates applications and services across the digital enterprise. With Riverbed Acceleration, insurers can optimize their delivery of any application, over any network, to users, anywhere.

To learn more about how Riverbed provides unified observability and accelerates performance for pharmaceutical manufacturers visit: riverbed.com/solutions

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Riverbed — Empower the Experience

Riverbed is the only company with the collective richness of telemetry from network to app to end user that illuminates and then accelerates every interaction so that users get the flawless digital experience they expect across the entire digital ecosystem. Riverbed offers two industry-leading solution areas – Riverbed by Riverbed, an innovative and differentiated Unified Observability portfolio that unifies data, insights, and actions across IT, so customers can deliver seamless digital experiences; and Riverbed Acceleration, providing fast, agile, secure acceleration of any app over any network to users, whether mobile, remote, or on-prem. Together with our thousands of partners, and market-leading customers across the world, we empower every click, every digital experience. Learn more at riverbed.com/unified-observability.