

Manage R&D as a Business

Research and Development leaders face many challenges as pressure to maximize return on R&D spend escalates. R&D leadership is confronted with a balancing act of delivering on the demands of today while maintaining resource allocation to realize R&D's innovation objectives. They must meet ever-increasing goals and improve speed to market while resources flatline, demonstrate value and alignment with the business, and ensure the highest regulatory and compliance standards.

R&D's business value contribution needs to align to the enterprise's vision, objectives and strategies with greater transparency. A strategic cross-functional approach that identifies and integrates critical management functions, processes, alliances, tools, and metrics is crucial to developing an R&D organization that cultivates success and delivers expectations.

Kalypso's R&D Management Framework

The Kalypso R&D Management Framework delivers real solutions by helping R&D leaders identify optimal alignment of the organization to deliver against business objectives. The R&D Framework proportionally develops eight management functional capabilities with balanced strategic and organizational alignment:

- **Strategy:** Align R&D goals, budgets, programs, resources, and roadmaps are aligned with business strategy.
- **Innovation:** Harness the creative horsepower inside and outside the organization to generate more innovation ideas.
- **Portfolio Management:** Establish R&D portfolio priorities and allocate resources to deliver business strategy.
- **Project Management:** Effectively manage projects and efficiently align resources to deliver business strategy.
- **Intellectual Property Management:** Manage, protect and leverage technology and intellectual property to create value.

R&D Management Framework



- **Talent Management:** Recruit, develop and retain high quality human resources and leadership.
- **Sourcing:** Develop, manage and leverage performance relationships with suppliers, manufacturing and design.
- **Operations Management:** Effectively design, resource & manage R&D operations to maximize ROI.
- **Regulatory and Compliance:** Enable R&D to design regulatory compliance, quality, sustainability and product safety into product early in the product lifecycle.

The R&D Management Framework starts with an organization assessment and benchmarks your organization's performance in each of the management functions. Our expert team develops a strategic roadmap of the improvement areas for each of these functions, detailing the **Process, Tools, Organization** and **Metrics** for each to operate successfully. Examples of best-in-class tool and infrastructure requirements include:

PLM Information Systems: PLM, PDM, PPM, PM, Roadmapping Tool, Formula Management, Ideation Management, Product Cost Management.

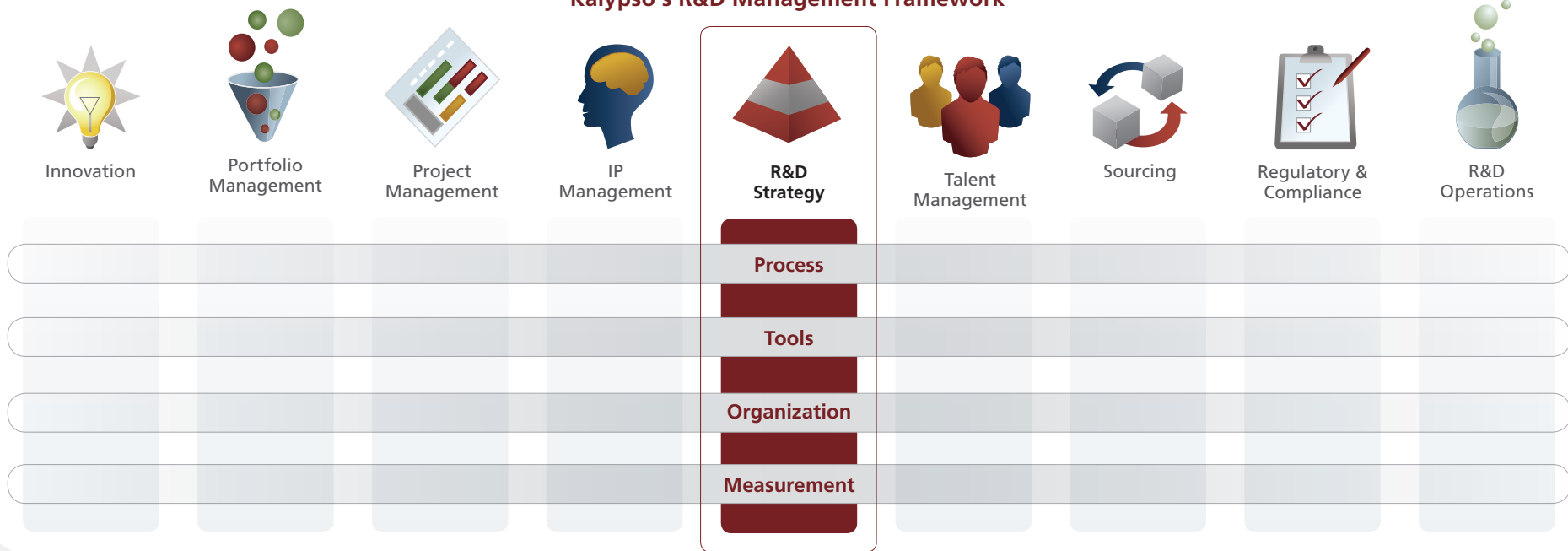
Physical Infrastructure: Facilities & Proximity, Customer Interaction Centers, Brainstorm & Design Centers, Testing Equipment, Laboratory Equipment, Safety Practices & Equipment.

Design & Collaboration Tools: CAM/ CAD/EDA, Corrective Action/Preventative Action, IP Management, Knowledge Management, Simulation, Validation.

Deliver Real R&D Results

As the leaders behind the R&D leaders, Kalypso provides concrete steps executives can take to improve return on R&D investment. With our R&D Management Framework, the Kalypso team can help you identify improvement areas and develop appropriate solutions needed to deliver on the promise of innovation as well as on the demands of today.

Kalypso's R&D Management Framework



About Kalypso

Kalypso is the world's premier innovation consulting firm, helping clients improve profitability by delivering on the promise of innovation. Kalypso offers clients full service capabilities including Business and Innovation Strategy, Front-End of Innovation, Portfolio and Pipeline Management, Development and NPI, Value Management, PLM Technology, Leadership and Learning, and Intellectual Property Services. For more information, visit www.kalypso.com.