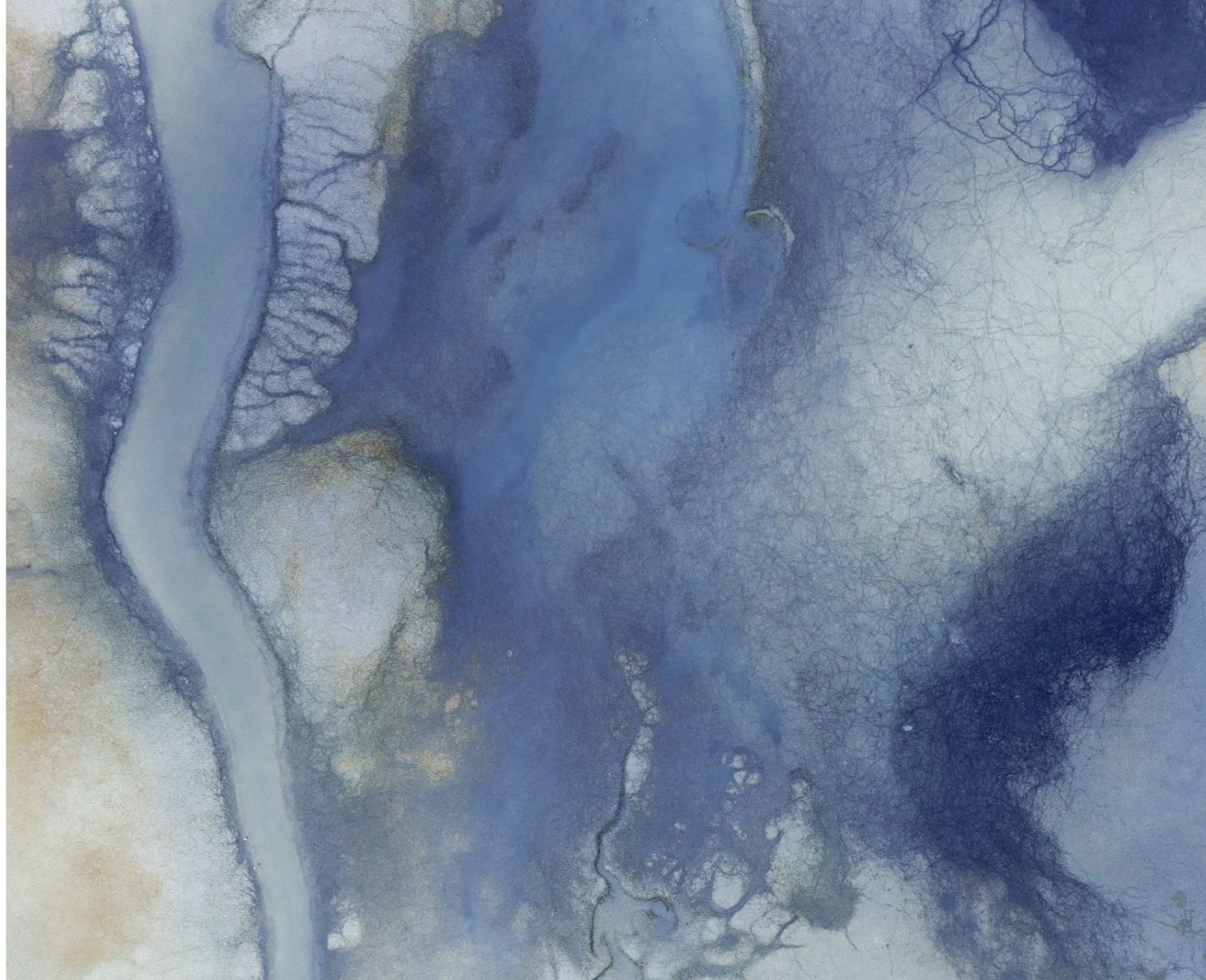




# Simplify complex business decisions using data science



What do business decision-makers expect from data science teams?

Insights that drive optimal decisions to complex problems



Determine location and capacity of warehouses



Determine which plant should manufacture which product



Build financial portfolios by balancing risks and rewards



Allocate aircraft and crew to flights

## Decision optimization—the secret sauce for better decisions

Decision optimization technology has delivered billions of dollars in ROI across industries<sup>1</sup>

~15%

reduction in parts spend. 5-15% increase in driver productivity.<sup>2</sup>

10k

products optimized for manufacturing across 20 plants.<sup>3</sup>

30%

reduction in investment risk for similar yields compared to other solvers tested.<sup>4</sup>

~10%

reduction in inventory costs. ~3% reduction in manufacturing, warehousing and distribution costs.<sup>5</sup>



IBM offers multiple ways for you to create better plans and schedules using optimization technology. You can get started by using natural language-based modeling interfaces while collaborating across your teams for improved outcomes. You can:

### Build optimization models on-premises

Accelerate optimization modeling using an IDE, powerful optimization solvers and support for multiple optimization modeling approaches.

[Learn more →](#)

### Unify predictive and prescriptive analytics on a multicloud environment

Combine optimization and machine learning within IBM® Cloud Pak® for Data which supports multicloud deployment. Get started with AI-infused optimization modeling capabilities.

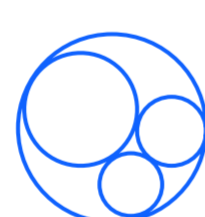
[Learn more →](#)

### Build and deploy end-to-end decision-support applications

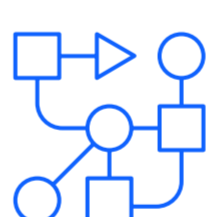
Build and deploy end-to-end decision support applications using a GUI, collaboration tools, what-if analysis, application data model support and flexible deployment options.

[Learn more →](#)

## IBM CPLEX Optimization Studio



Supports all sizes of optimization models



Support for unlimited decision variables and constraints



High performance and scalable

## Get started easily by choosing from multiple purchase options

### No-cost freemium edition

Try IBM ILOG CPLEX Optimization Studio Community Edition at no cost.

[→](#)

### IBM ILOG CPLEX Optimization Studio Subscription

Self-service and pay as you go. Upgrade from Community Edition for development purposes.

[→](#)

### Other licensing options

Wide range of choices on metrics across various licensing options: monthly or perpetual, development or deployment.

[→](#)

## Optimize your decisions

Don't take chances with your critical business decisions. Get the benefits of working with a trusted partner with proven decision optimization expertise.

[Take the guided tour →](#)



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1 <https://www.informs.org/About-INFORMS/News-Room/Press-Releases/Finalists-Selected-for-the-World-s-Leading-Operations-Research-and-Analytics-Award-2022-INFORMS-Franz-Edelman-Award-Competition-Elevates-Research-that-is-Saving-Lives-Saving-Money-and-Solving-Problems>  
2 [https://mediacenter.ibm.com/id/1\\_jhcj2m2f](https://mediacenter.ibm.com/id/1_jhcj2m2f)  
3 <https://www.ibm.com/case-studies/continentaltires>  
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