

LERA:

# REDUCING REDUNDANT WORK LEADS TO GREATER PROBLEM SOLVING

LERA, a New York-based group of consulting engineers, made a small change with a huge impact when they adopted integrated engineering workflows, freeing them to focus on new possibilities. The results have been transformative firm-wide.

Since the adoption of integrated BIM workflows and smart use of computational design technology, LERA are optimizing their design process, innovating more, and extending their capabilities as a firm.

By reducing redundant work, engineers have more time to engage with creative problem solving.

## RESULTS

-  TASKS CUT FROM FIVE HOURS TO A FEW SECONDS TO COMPLETE
-  MORE TIME TO EXPLORE INNOVATIVE DESIGN OPTIONS
-  REALISTIC APPROXIMATIONS LEAD TO A HIGHER QUALITY OF WORK

“It gives you more time to do the things that matter”

Nidhi Mekha, Senior Computational Designer, LERA+

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## HOW THEY DID IT

LERA's methodology



## AUTOMATING TASKS

Freeing engineers to innovate

By automating repetitive tasks and reducing the redundant work, LERA's engineers can spend more time developing the best ideas, while delivering more value.

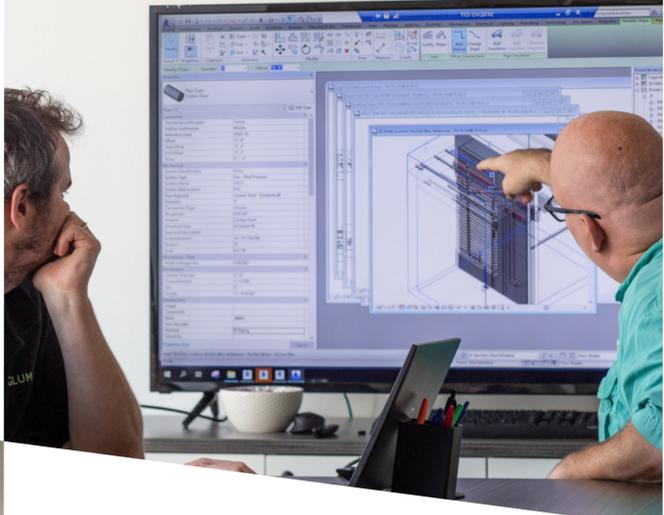
“People realize the benefit when they click the button and a task that was taking five hours, all of a sudden takes a few seconds”

Alfonso Oliva, Director, LERA+

## PRECISE INFORMATION

Realistic approximations leading to an optimal solution & higher quality work

By running engineering analysis on Autodesk® Revit® models, LERA can make approximations that are incredibly close to reality and increase the accuracy of information when working with challenging geometry. Having accurate engineering data allows engineers to spend more time exploring design options and problem solving.



“We are trying to optimize our design early on. Instead of just providing a solution, now we try to provide an optimal solution”

Nidhi Mekha, Senior Computational Designer, LERA+

## THE BOTTOM LINE

Key benefits of integrated engineering for LERA



MORE TIME TO EXPLORE DIFFERENT DESIGN OPTIONS



HIGHER QUALITY OF WORK PRODUCED AND WINNING MORE WORK



ATTRACTING AND RETAINING TOP TALENT

“Our optimization process saves money not only in the engineering phase but also all the way down to fabrication”

Alfonso Oliva, Director, LERA

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