



# Virtual Value Engineering for the Construction Sector

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## Disruptive technology.

The Setmetrics Virtual Intelligence Platform (VIP) is a complete cloud software solution that revolutionises how Value Engineering (VE) is conducted during a building's lifecycle.

Used by project design teams, the Platform can reduce the cost to bid, design and operate a building while significantly improving its energy efficiency: quickly and at low cost.

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## Leave nothing on the table.

The Platform adds engineering rigour to a project team's initial design.

It performs fast and accurate VE calculations at the touch of a keyboard by harnessing the power of rapid energy modeling and cloud simulation technologies.

Nothing is left on the table with VIP.

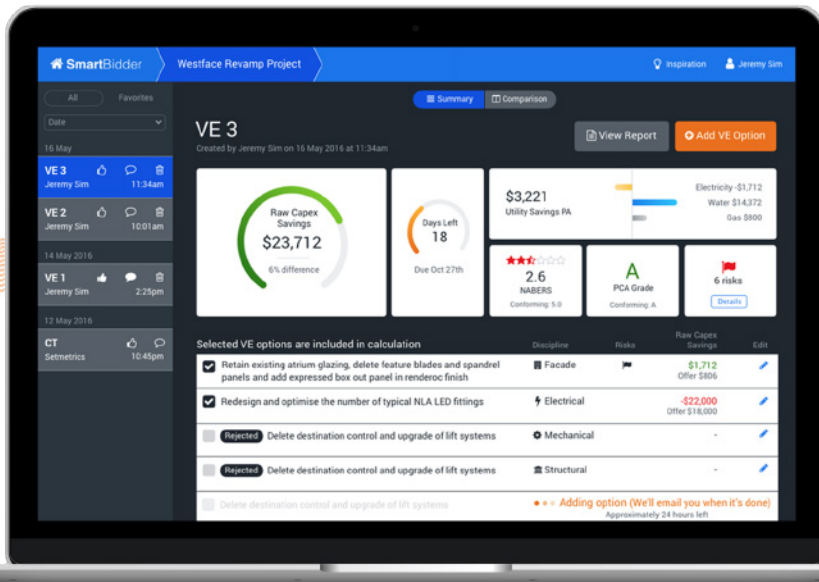
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## More innovation. Less risk.

Users such as architects, contractors and engineers can confidently guarantee a building will perform to its original design specifications throughout its operating life.

Setmetrics puts the tools in your hands, allowing you to optimize your design and showcase your innovation and expertise.

# VIP helps you win more tenders



The Virtual Intelligence Platform is a state-of-the-art software solution allowing any project team to design and create the best performing building for the lowest capital cost.

## Enhance your chance of winning the bid

### Showcase your innovation

Easily generate and test your value engineered ideas: rank, quality control and bundle them to discover optimal solutions for you and your customer.

### More bids, less cost

What used to take weeks can now be done in minutes, cutting down the time needed to generate fast and accurate alternate tenders.

### Improve ROI

For contractors, the platform has the ability to reduce CapEx costs on greenfield buildings by up to 10% and to reduce OpEx costs by up to 20% for existing buildings.

### Reduce risk

VIP enables non-engineers to provide engineering-like certainty – giving users the highest level of confidence that their VE design will not add to delivery risk.

# The Platform becomes more valuable over time

## Creating virtual interactive prototypes

Setmetrics technology is based on cloud innovation that creates a virtual interactive building, a digital twin of the real asset that is being designed.

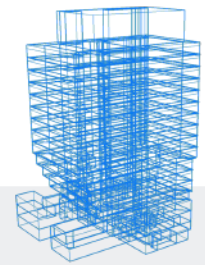
The twin can be simulated, optimized, and changed in the cloud to express the design intent of project teams.

Users can rapidly test the impact of design alterations on building energy performance. Any facade, mechanical or electrical system combination can be simulated to determine its final impact on long-term asset performance.

## Bids that learn

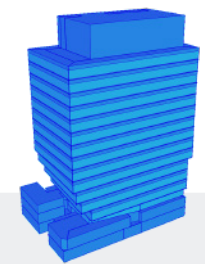
The Platform analyses vast amounts of information from past bids, extracting what worked and what didn't. This intelligent workflow automation allows design choices from a winning bid to be applied to a future one greatly enhancing its competitiveness.

Accessing your prior intellectual knowledge bank can drive higher levels of efficiency and fundamentally transform the way Value Engineering is performed and delivered in your company.



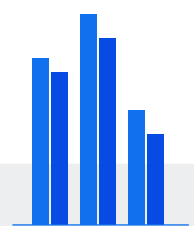
### Tender

Allows contractors and sub-contractors to create unique and confidential VE solutions, rapidly.



### Design

Finds and eliminates unnecessary costs during the detailed design phase while improving building function.



### Tuning

Tracks the building's performance against its design intent, reducing the risk of missing targets.



# About Setmetrics

Setmetrics was founded in Melbourne, Australia in 2012 and is fast becoming the leader in cloud Value Management for the global construction industry.

Its Virtual Intelligence Platform (VIP) is an integrated solution to conduct engineering design, cloud simulation and optimization in order to create the best energy efficient building for the least possible cost.

VIP is powered by rapid energy modeling and machine learning software housed in a scalable, redundant high performance computing infrastructure.

The platform is simple to use but fast and highly accurate, enabling practically anyone to design and optimise a building from scratch.


Setmetrics is used by the project teams of building contractors, architects, engineers, facility managers and energy service companies who take on the design and delivery risk of construction and refurbishment projects.


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