

ENGINEUITY 2022



COMPETITION REVIEW



ENGINUITY 2022 was a unique and inspirational learning experience, giving participants, grouped into teams, the opportunity to compete against each other to see

WHO CAN RUN THE MOST SUCCESSFUL GLOBAL CONSTRUCTION BUSINESS



Each competing team was thrust into the same 'virtual world', and were given the challenge of running their own Global Construction Business for a number of simulated years, where success was measured by Key Performance Indicators published on a league table.

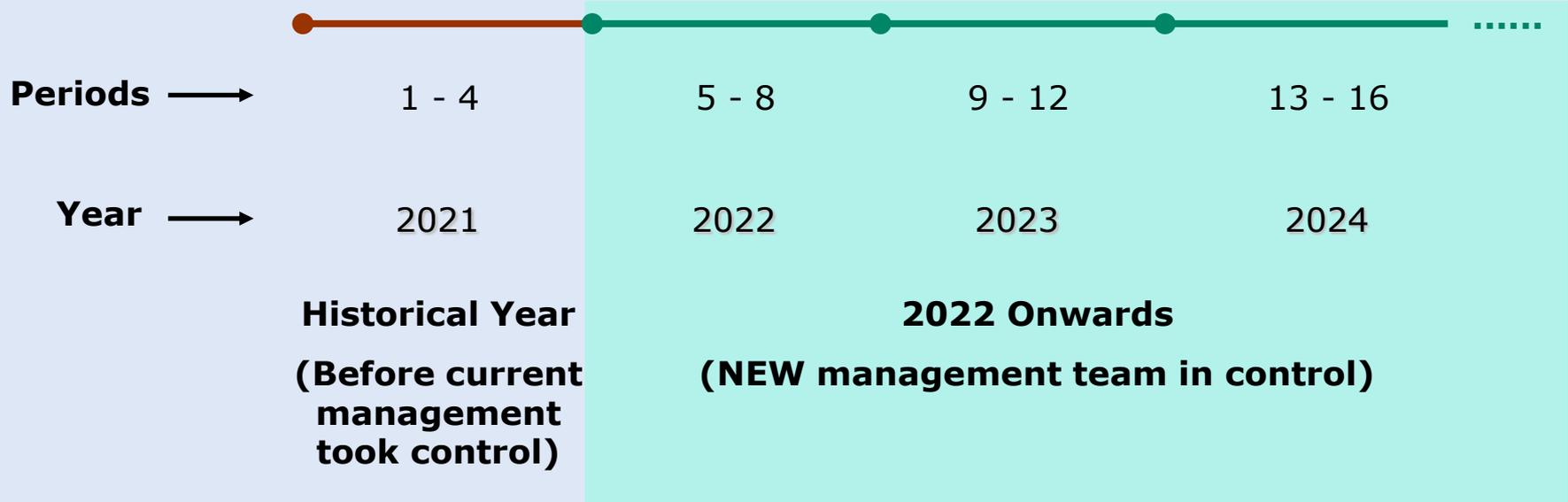
It was not easy, with stiff competition for work, a dynamic jobs market, and external world events that could impact upon the business just like the real world.

Developing a successful business strategy was essential, as was being able to work effectively as a team, make key decisions, and solve problems as they arose.

Ultimately their could only be one Champion, but everyone was also a winner if they could grow a successful business.



Decision Making



To be successful, each management team needed to devise an effective business strategy to grow their business, making decisions in a number of key areas, including finance, marketing, overheads, procurement and job progression

Decisions were made for a **period**, representing 3 months, or a quarter, in the real world.



Participants



TEAMS

Over 120 teams from
Around the globe.

SPONSORS

AECOM
Arcadis
Arup
Atkins
Auckland Transport
Clough
Cundall
Hatch
ISG
Jacobs
Laing O'Rourke
Mott MacDonald
Network Rail
PA Consulting
Pantera Group
RSBG
Stantec
Tonkin & Taylor
WSP USA
WSP Australia
WSP New Zealand
WSP UK
Webb Yates Engineers

LOCATIONS

Abu Dhabi
Australia
Canada
France
Germany
India
Ireland
Italy
New Zealand
Poland
Qatar
Saudi Arabia
South Africa
UK
United Arab Emirates
United States



Preliminary Rounds



THE PRELIMINARY ROUNDS

During the 8 weekly Preliminary Rounds, which took place between March and May, each team played independently in their own 'virtual' world, competing for work against simulated rival companies, each with their own bidding strategies.

12 teams qualified for the Final, from around the globe, with less than 200 points separating the teams going into the 6-round Final.

Past champions AECOM and WSP USA were represented, along with Jacobs, Stantec, Network Rail and WSP New Zealand, who were all hoping to become first-time winners.

| Position | Name | Sponsor | Location | Total KPI | Improvement | PERIOD MOVEMENT | |
|----------|-----------------------------------|-----------------|------------------------|-----------|-------------|-----------------|--------|
| | | | | | | From | Change |
| 1 | Babble Royale | Jacobs | UK/Ireland/USA/Saudi A | 2,274 | 6 % | 1 | 0 |
| 2 | Whatever it takes | Stantec | Italy | 2,266 | 8 % | 3 | 1 |
| 3 | Stratagem | Jacobs | India | 2,233 | 8 % | 5 | 2 |
| 4 | ABC-Always Be Constructing | Jacobs | UK/India/Poland | 2,155 | 8 % | 7 | 3 |
| 5 | Stantgether | Stantec | Australia | 2,155 | 4 % | 4 | -1 |
| 6 | Ministry of Wopus | WSP New Zealand | New Zealand | 2,148 | 2 % | 2 | -4 |
| 7 | AECOMplete Shambles | AECOM | UK | 2,121 | 10 % | 13 | 6 |
| 8 | Enginuity State of Mind | Jacobs | United States | 2,102 | 6 % | 9 | 1 |
| 9 | Electric Magic | Jacobs | Poland/France | 2,095 | 10 % | 16 | 7 |
| 10 | Euston we have a problem | Network Rail | UK | 2,092 | 7 % | 11 | 1 |
| 11 | The Wolves of Milano - The Return | Jacobs | Italy/USA | 2,086 | 3 % | 6 | -5 |
| 12 | JBD3 | WSP USA | United States | 2,086 | 5 % | 8 | -4 |
| 13 | Business Gurus | Atkins India | India | 2,077 | 6 % | 10 | -3 |
| 14 | Contented Minds | WSP USA | United States | 2,063 | 8 % | 15 | 1 |
| 15 | Zoom Construction Co | Hatch | South Africa | 2,038 | 8 % | 18 | 3 |
| 16 | 2030 Net Heroes | Cundall | UK | 2,029 | 5 % | 12 | -4 |
| 17 | Mission AECOMplished | AECOM | UK | 2,016 | 10 % | 22 | 5 |
| 18 | Acumen | Jacobs | India | 2,008 | 7 % | 20 | 2 |
| 19 | Mango | Jacobs | UK/India | 1,992 | 6 % | 19 | 0 |
| 20 | So Fetch | Stantec | UK | 1,984 | 14 % | 30 | 10 |
| 21 | Adminers | Stantec | Australia | 1,976 | 3 % | 14 | -7 |
| 22 | Sonoran Hotdogs | WSP USA | United States | 1,970 | 4 % | 17 | -5 |
| 23 | Stan the Builder | Stantec | United States | 1,944 | 4 % | 21 | -2 |
| 24 | Fabulous Five | Tonkin & Taylor | New Zealand | 1,940 | 22 % | 53 | 29 |
| 25 | Innovative Solutions Group | ISG | UK | 1,923 | 12 % | 37 | 12 |

The top of the League Table at the end of the Preliminary Rounds



The Final



THE FINAL

The final was played over a further 6 rounds during two weeks in late May and early June, enabling the teams to take part in the final from wherever they were located, and giving them enough time between each round to make considered and effective decisions, and reflect upon and refine their strategies.

During the final the teams competed 'head to head' directly against each other. This created an even more uncertain and pressurised environment in which the skills and team dynamics formed in the early years were really put to the test.

The final saw lots of ups and downs, but ultimately it was "**Babble Royale**" from **Jacobs** who emerged victorious as the **ENGINUITY 2022 Champions**.



Enginuity 2022 Competition

TEAM LEAGUE TABLE

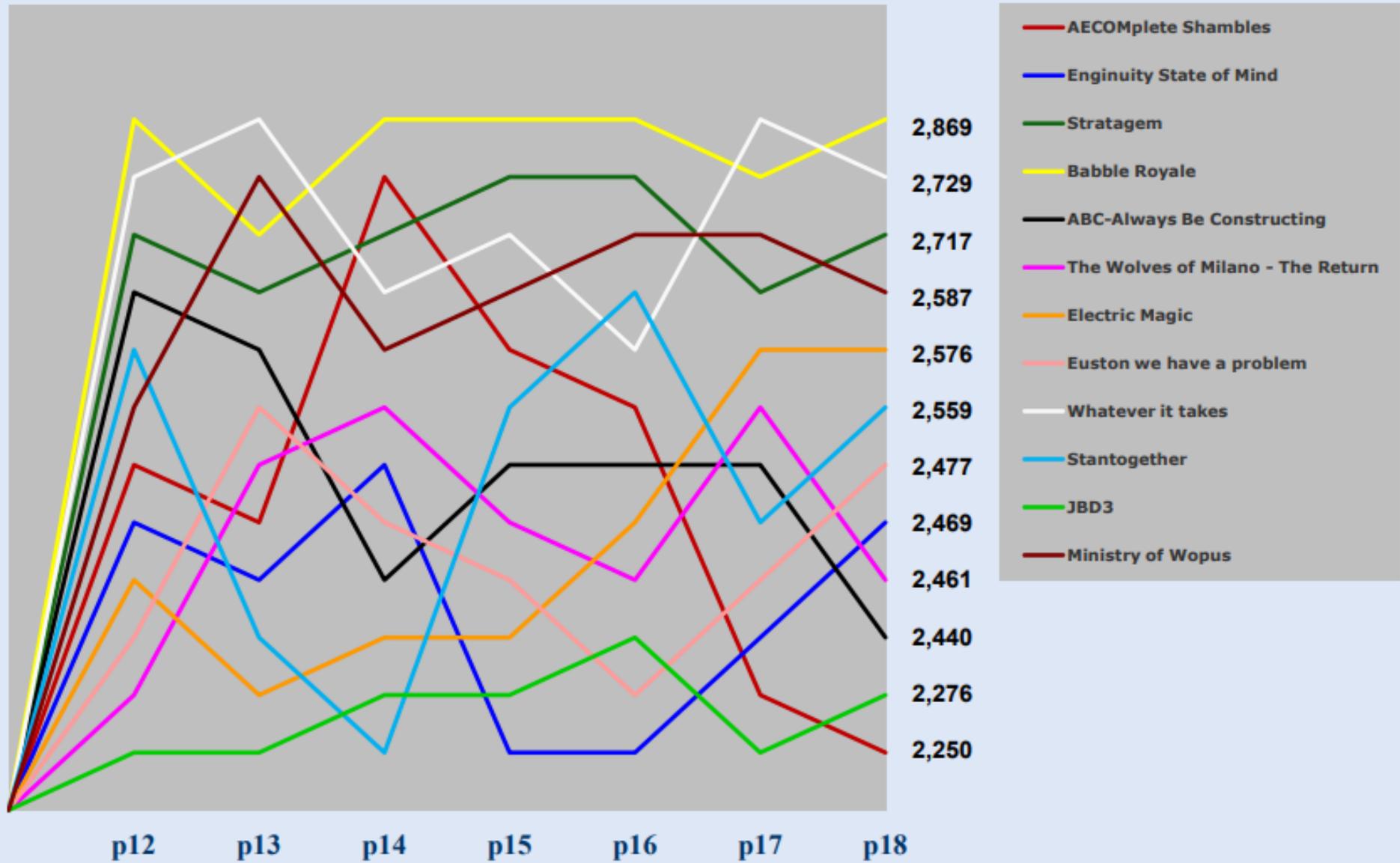
At the end of period 18 (Later Years)

| Position | Name | Sponsor | Location | Total KPI | Improvement | PERIOD MOVEMENT | |
|----------|-----------------------------------|-----------------|------------------------|-----------|-------------|-----------------|--------|
| | | | | | | From | Change |
| 1 | Babble Royale | Jacobs | UK/Ireland/USA/Saudi A | 2,869 | 8 % | 2 | 1 |
| 2 | Whatever it takes | Stantec | Italy | 2,729 | 2 % | 1 | -1 |
| 3 | Stratagem | Jacobs | India | 2,717 | 3 % | 4 | 1 |
| 4 | Ministry of Wopus | WSP New Zealand | New Zealand | 2,587 | -2 % | 3 | -1 |
| 5 | Electric Magic | Jacobs | Poland/France | 2,576 | 2 % | 5 | 0 |
| 6 | Stantgether | Stantec | Australia | 2,559 | 5 % | 8 | 2 |
| 7 | Euston we have a problem | Network Rail | UK | 2,477 | 2 % | 9 | 2 |
| 8 | Enginuity State of Mind | Jacobs | United States | 2,469 | 2 % | 10 | 2 |
| 9 | The Wolves of Milano - The Return | Jacobs | Italy/USA | 2,461 | -2 % | 6 | -3 |
| 10 | ABC-Always Be Constructing | Jacobs | UK/India/Poland | 2,440 | -3 % | 7 | -3 |
| 11 | JBD3 | WSP USA | United States | 2,276 | -2 % | 12 | 1 |
| 12 | AECOMplete Shambles | AECOM | UK | 2,250 | -5 % | 11 | -1 |

The Final League Table



How The Final Unfolded





The Champions



The Champions

"Babble Royale" from

Jacobs

(UK/Ireland/USA/Saudi Arabia)

Each member of the winning team :-

Naomi Ballenger
Patricia Mak
Ibrahim Alkadhim
Patrick Kinsell

received a cash prize, personally engraved award and certificate of achievement.





The Runners Up



The Runners Up

"Whatever it takes" from

Stantec

(Italy)

with their awards.

Each of the runners up :-

Marianna Accardo

Giulia La China

Matteo Da Ros

Giulio Rebellato

Dario Mansi

Andrea Casalone

received a cash prize, personally engraved award and certificate of achievement.





Certificate Of Achievement



Each finalist received a personalised Certificate of Achievement, denoting their finishing position in the overall Competition.

ENGINEUITY 2022

Certificate of Achievement

Awarded To **Abhishek Singhal**



A Member Of The

3rd Placed

Team

"Stratagem"

From

Jacobs



The Global Business Management Competition for the Construction Industry



Certificate Of Participation



Each participant in the Competition received a certificate of participation.

**Virtual
Management
Simulations**

Certificate of Participation in the
ENGINEUITY 2022
Global Business Management Competition
for the Construction Industry

A team from **AECOM** consisting of

Eileen Bouras
Cara O'Brien
Ed Keogh



Lydia Rouillard
Timothy Chang

Managed their own 'Virtual' Global Construction Business
"AECOMplete Shambles"
for a number of simulated years in competition against teams from
other companies and locations worldwide.

M. J. Fletcher
(Mike Fletcher, on behalf of Virtual Management Simulations)



ENGINUITY 2023 TIMELINE



DURING 2022

- **Publicity** for the competition will be sent out at the beginning of November
- **Registration** will start during November

DURING 2023

- The **2023 software** will be released on the website at the beginning of January
- **Trialling** starts after the software is released for registered teams
- The **Preliminary Rounds** take place between March and May
- The **Final** will take place during May and June



Further Information



Further detailed information can be obtained from the website at:

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or by e-mail

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or by contacting in the first instance

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