



wood.

AVEVA PI WORLD

Unlocking solutions to the world's most critical challenges

Presented by: Darren Martin

Chief Technology Officer; Wood, PLC

AVEVA

We are a world leading consulting and engineering company across energy and the built environment.

160+

year history

40k

people

60+

countries

c\$8bn

2020 revenue

Connected by our shared values of **care**, **commitment** and **courage**

AA leader rating from MSCI for environmental, social and corporate governance

Areas of expertise:



Sustainable Infrastructure



Energy Transition



Digital & Technology

Sustainability targets



THE GLOBAL GOALS

www.globalgoals.org



Improve gender balance with **40%** female representation in senior leadership roles by **2030**.

Educate and inspire **100%** of our colleagues to be inclusive every day by **2021**.

Reduce Wood’s carbon emissions by **40%** by **2030** on our pledge to ‘net zero’.

Ensure all Wood offices are **single use plastic free** by **2025**.

Ensure **100%** of Wood labour suppliers sign up and comply with the **Building Responsibly Principles** by **2025**.

Ensure **100% of Wood suppliers** have **Building Responsibly Principles** embedded into their supply chains by **2030**.

Consistently rank in the **Top Quartile** ESG investment ratings within our peer group by **2025**.

Double client support aligned to the energy transition and more sustainable infrastructure, by **2030**.

Give our time, resources and funding to contribute **\$10 million** to our global causes by **2030**.

Contributing to the following SDGs:



Our approach to a world in transition

Challenge

- Amplified pressure to reduce environmental impact
- Ambitious emissions targets but immature capacity to collate and track data
- Limited capability to reduce emissions

Solution

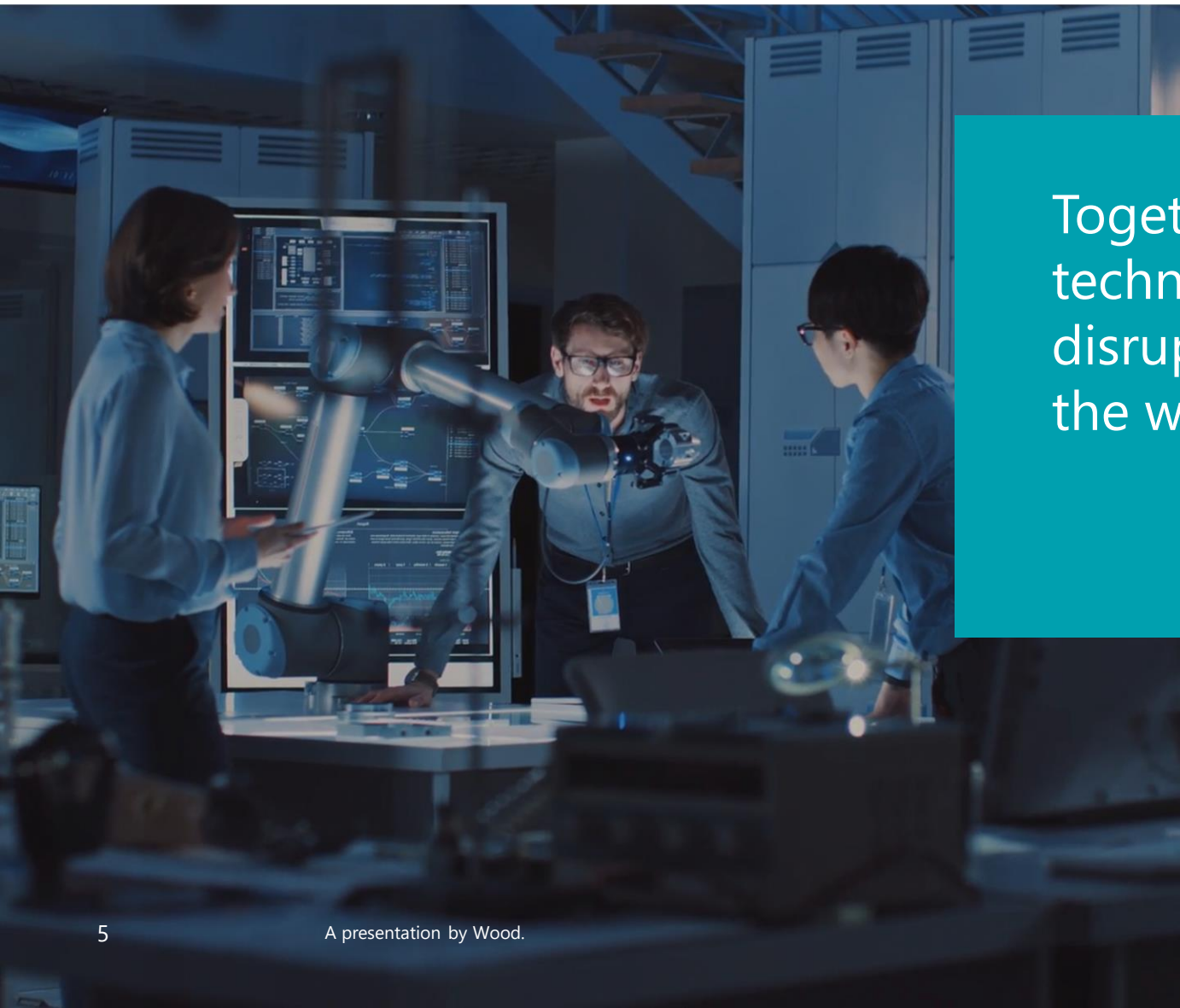
- Evidence based targets
- Structured auditable data for transparency and insights
- Visualisation of way forward and progress to date

Outcome

- Realisable targets that build confidence
- Significant efficiencies through data insights
- Road maps to energy transition
- Physical implementation capability



Collaborate to innovate



Together, with our clients and with leading technology partners & emerging digital disrupters, we are unlocking solutions to the world's most critical challenges.

CoLab

Unlocking solutions, together

- Digitally transforming the design cycle of capital projects for decades
- A transparent partnership focused on providing end value for our joint clients
- Executing over 1000 capital projects a year



Connected Build – unlocking Sustainability in capital projects

- Making the most efficient use of material, people and energy
- Opportunity to reduce wastage and implement circular economy and local sourcing
- Leading the way in the race to net-zero



Digital Control Tower

- Maintain visibility of project performance across Wood's entire portfolio
- Predicted way of identifying potential schedule and performance issues
- Proactively avoid cost and delay
- Ability to adapt to changing needs and challenges



Future Fit: Integrated Delivery Systems Transformation

Materials & Construction



Single, global approach to materials & construction delivery, employing **AVEVA Enterprise Resource Management, Contract Risk Management and E3D Design** systems.

An off-the-shelf solution that enables Wood to deliver Advanced Work Packages as standard.

AVEVA

Cost Management



Single platform deployment for project controls and cost management to improve efficiency, predictability and control across our portfolio of projects.

Engineer Anywhere



Delivery of technical applications from a **virtual platform**, offering a single Wood standard that can be deployed from anywhere in the world, enabling faster delivery at reduced cost.

AVEVA applications will form the Wood Global Seed, enabling us to enter data once and use it repeatedly to maximise efficiency; reducing schedule and cost.

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EDMS Consolidation



Consolidating 22 document management systems into one.

Application Rationalisation




Optimising the right tools for the right work and rationalising Wood's technical applications; standardising our approach to engineering delivery and reducing costs of technical applications across Wood.


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Engineer Anywhere



 CAD Workstation

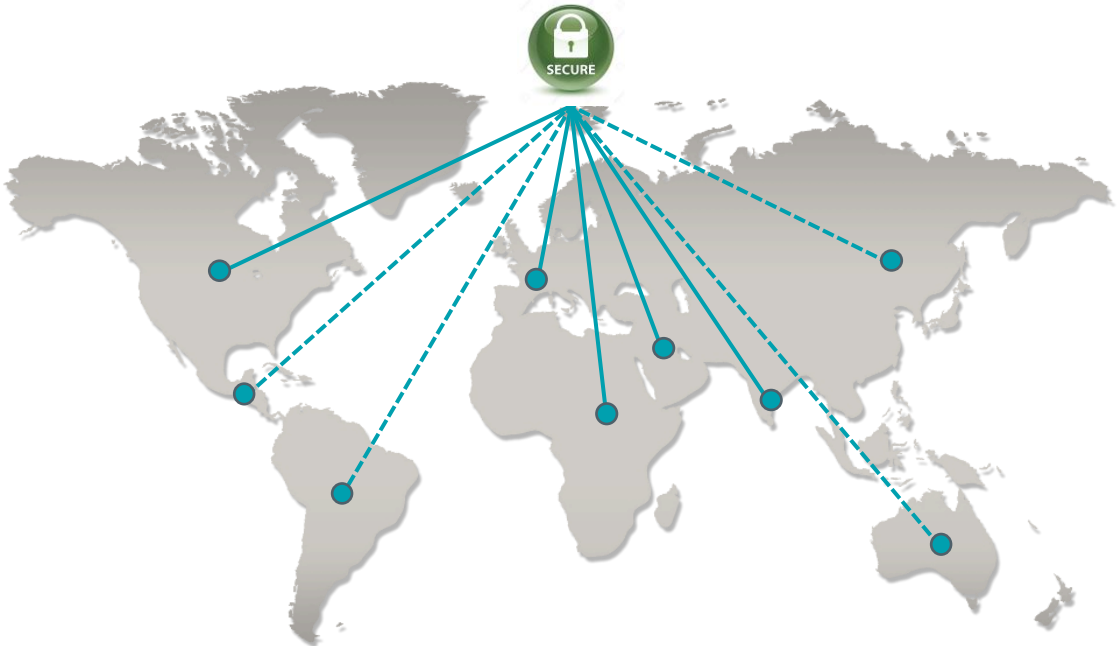
 Standard PC

 Laptop

 Tablet

 Smart Phone

 Any Device With Secure Access To The Internet



Standard



Consistent



Workshare



Facilitates Workshare



Drives Standardisation



Optimise Engineering Resources



Scalability



Device Agnostic Protected By Wood Security



High Performance GPU for 3D Workloads

End-to-end materials & construction management

A unified approach to materials and construction delivery, employing **AVEVA ERM**, **CRM** and **E3D** systems enables Wood to deliver Advanced Work Packaging (AWP) globally.

Logical, structured, coded and connected order, it's possible to integrate delivery, continually perfect and streamline execution.

Compressing the schedule, minimising waste, reducing cost and unlocking sustainable opportunities for a circular economy of energy, labour and materials.



10%

Reduction in
Total Installed
Cost (TIC)

25%

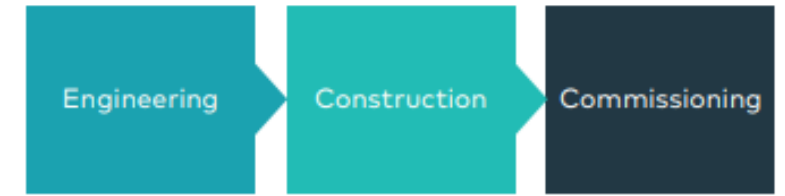
Increase in labor
productivity

ROI

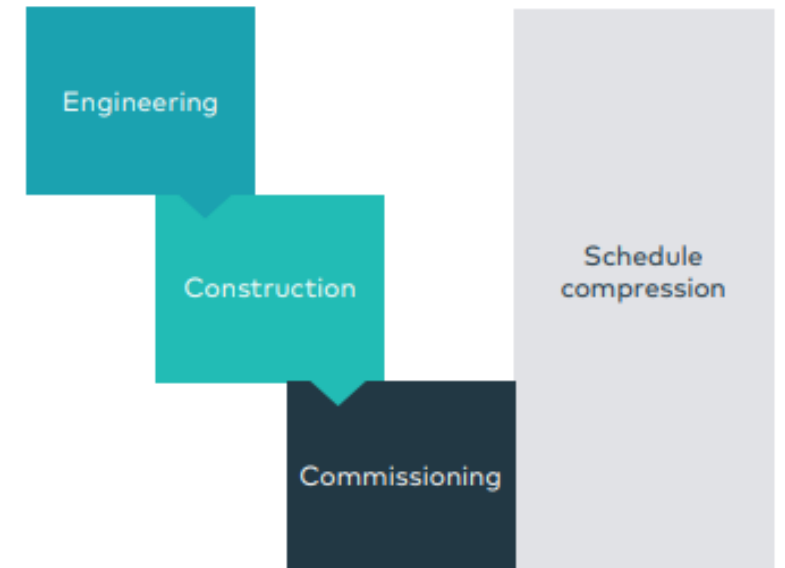
10000%

Investment is 2%
of labor cost

Source: Transforming the Industry: Making the Case for AWP as a Standard (Best) Practice, CII RT-319 Topic Summary



Project timeline without AWP



Project timeline with AWP

Unlocking solutions for a sustainable planet



The COP26 summit will bring parties together to accelerate action towards the goals of the Paris Agreement and the UN Framework Convention on Climate Change.



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