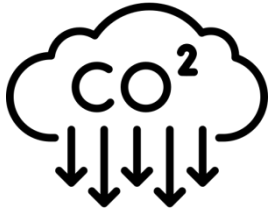# Data-driven transformation

Enhancing mandatory environmental reporting with a Universal Data Protocol

Adam Stingemore
Chief Development Officer

STANDARDS Australia

Global trends

Sector accounts for about 21% of global GHG

Post-pandemic recovery

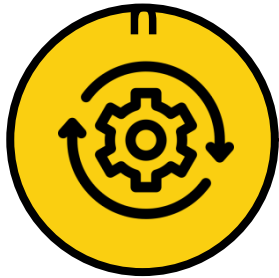Emerging global efforts

Rising inflation and interest rates

Geopolitical tensions amplify market instability

Global trends

Decarbonisatio

Evidence from global research and initiatives that success has been occurring overtime

Policy signals

Stronger policy signals from Europe are creating certainty for all market actors

Building codes

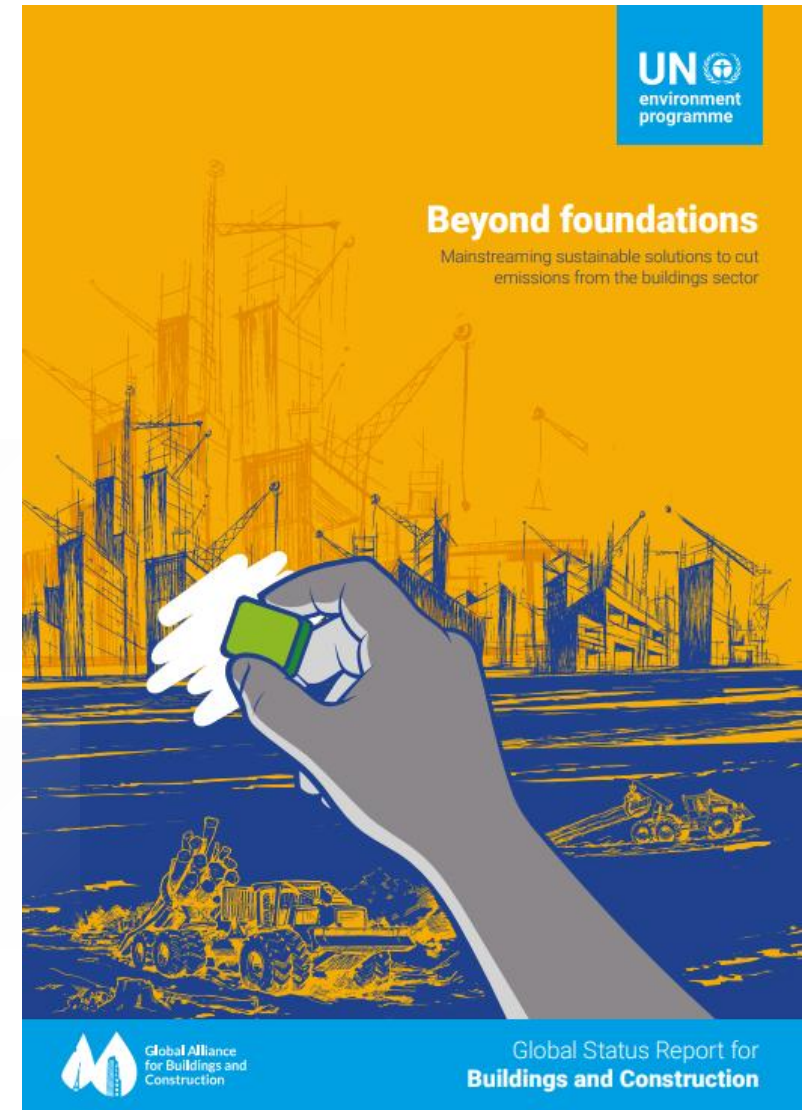Multiple building codes exist but few are aligned with net-zero principles

Key recommendations -
UN Beyond foundations report

1 Harmonisation

2 Partnerships

3 Awareness

Great work is already underway

Changing environmental reporting

- Global shifts towards mandatory environmental reporting

- Explosion of proposals in different jurisdictions

- Europe, Japan, UK, US all considering adopting international Sustainability Standards Board (ISSB) standards

Environmental reporting in Australia

- Government committed to mandating climate-related financial disclosures

- Aim to increase transparency around climate-related plans and strategies

- Plan to develop assurance standards in line with IAASB standards

- Annual sustainability reports and assurance requirements will be added over time

Current challenges*

- No globally accepted interoperable digital data format

- Transparency about methods to generate data is not required and often *proprietary*

- Confusion and misalignment with varying tools, policies and standards

- Limited understanding of what data is needed and by whom, particularly as the amount of data available is expanding considerably
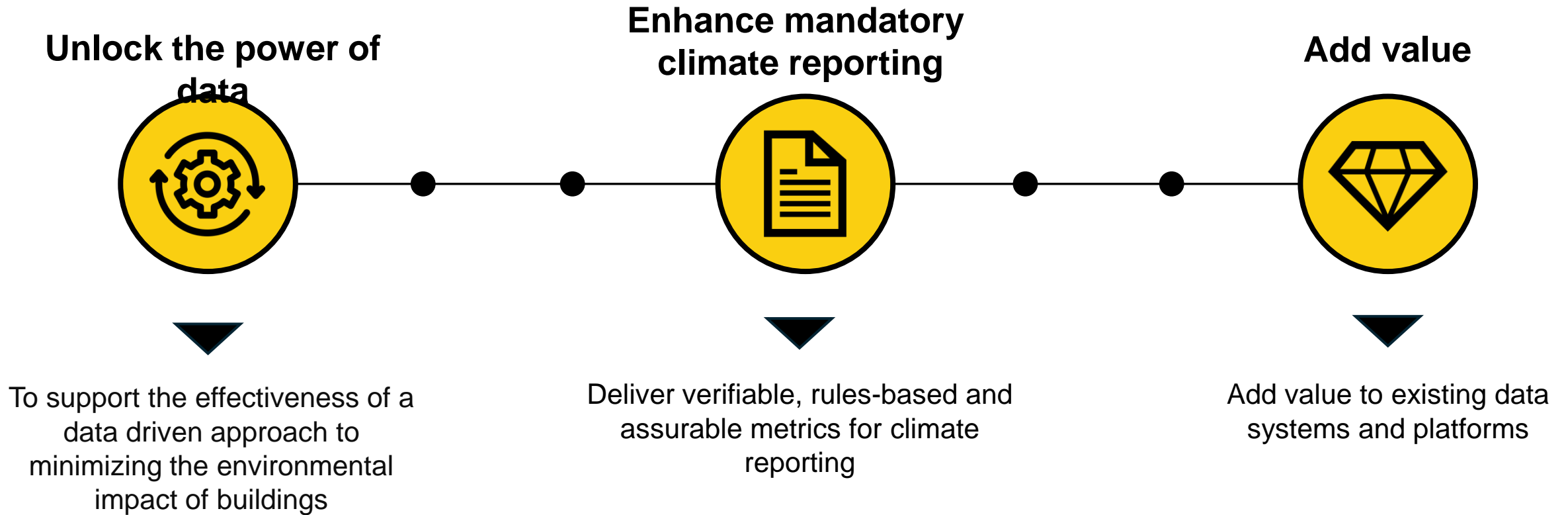
The need to support the industry

"How does a facilities manager use disparate data sets to address pain points?"

"How does a waste manager track waste and its carbon footprint across the life-cycle of projects?

"How does a CSO understand whether disparate data sets of systems align to environmental reporting requirements?"

Our vision

Unlock the power of data

To support the effectiveness of a data driven approach to minimizing the environmental impact of buildings

Enhance mandatory climate reporting

Deliver verifiable, rules-based and assurable metrics for climate reporting

Add value

Add value to existing data systems and platforms

The problem

- Disparate data create challenges for business navigating mandatory reporting

- Lack of common language to share critical metadata

- Rising GHG emissions and a need to reduce footprint

Our goal

- To leverage existing frameworks and bring the data together in an open way

- To map data from different systems and into an assurable set of metrics

- Pave the way for the transferability of common data that is verified and auditable

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What we are *not* doing

☒ Competing with existing open data frameworks

☒ Creating WLC assessment tools

☒ Developing a standard through the traditional pathways

☒ Working exclusively in the national setting
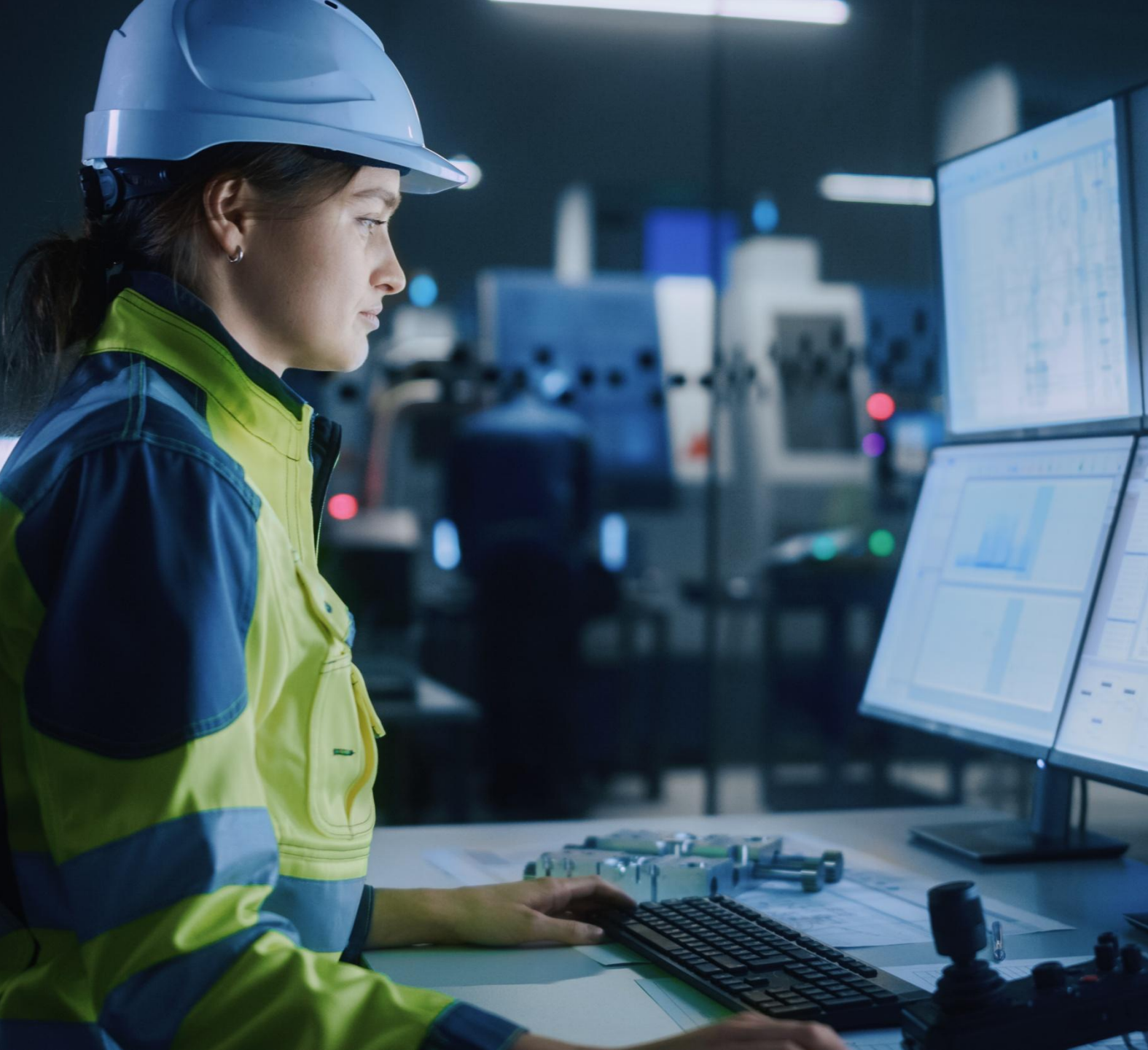
Use Case – Facilities Management

- Facility managers understand the complexity of managing multiple data sets

- Required to manage a variety of data inputs, including Utility Bills, Building Passports and Digital Twins

- We want to leverage the good work that is already happening in FM on these topics

Use Case – Compliance Officer

- Required to manage a variety of data inputs such as emissions, waste and sustainability

- These disparate measures need to feed into financial and regulatory reporting

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Proposed benefits

Enhance ability to meet regulatory reporting requirements

Avoid duplicating effort

Allowing for the use of common and open protocols

Bring together data in a way that avoids the picking of winners

Elevate existing initiatives and utility of their data

Enable integration

Going forward

- Continue to work with partners to develop our concept further

- Draft a deliverable for COP29 in Baku

- Progress pilot to demonstrate the solution in a live environment

Reach out

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