KEY PERFORMANCE HIGHLIGHTS

FINANCIAL YEAR 4
2023 - 2024 UPDATE

Smart Footprints

RESILIENT PROGRESS

CGEIT Certified in the Governance of Enterprise IT® An ISACA® Certification

ISO 22301 Effective Business Continuity

ACS Certified Professional cp

SmartCities Certified Practitioner

CEO UPDATE

Smart Footprints digital & IT consulting and advisory services started operating on October 19, 2020.

This financial year we focused efforts supporting the University of New South Wales, continued support as Chair and Australian representative to IEC Smart Cities Systems Standards Development, Vice President of the Australian Smart Communities Association and ongoing study in an Executive MBA at AGSM.

Our services focused largely on the deployment of a large Wireless and Network Access Control solution from HPE-Aruba to replace technical debt for UNSW.

It was another busy year with 298 **days** of effort with long but rewarding days and study part time towards an Executive MBA.

It was a challenging year with a mercy dash to visit my father in the UK, who was in very ill health and then passed away. A week with him was one of the most rewarding experiences of my life.

Our combined business and family CO2 impact was 38 tonnes in 2023-24. This was an increase from 24 tonnes last financial year.

The increase was largely driven by overseas travel to Jinan China for Standards Australia and two trips to the UK for family reasons mentioned earlier. The solar and battery performance resulted in a negative Co2 impact.

We continue to work with communities this financial year, supporting ASCA for 2023, and then solely for Standards Australia in 2024 to offset the workload of the Executive Year of the part time MBA.

The highlight of the year was meeting the international standards community in person and publishing of technical guides, a position paper and adopting new standards.

An offset has yet to be done, this will happen in 2025 as a culmination of this year and next year's results.

I would like to thank everyone for your support at UNSW, at Standards Australia and ASCA.

James Sankar
CEO, Consultant

Business Dev

Focus on delivery of UNSW project work and incorporating the lessons learned and insights from standards

30
Dev days

15
Research & Development Days

RESEARCH

Considerable work facilitating a thematic focus on smart cities and sustainable communities landscape led to the creation of a standards position paper that shaped the framework for future standards development in this area.

CONSULTING

Delivery of WIFI 6E, pilot followed by rollout to approx 140+ sites across multiple campuses across NSW

213
Actual Consulting Days

40
days actively participating in smart sustainable cities and LGA member work

PRO BONO

Support as Chair and Head of Delegation for IEC Systems Committee for Smart Cities publishing multi functional poles and as Vice President for the Australian Smart Communities Association growing membership and supporting our first national summit.

15
Research & Service Development Days

RESEARCH

2023-24 was a pivotal year in delivering on international standards adoption and in taking a leadership role in positioning Australian standards through consultation for the future.

Significant research in deploying WIFI resulted in learning on proactive pragmatic safe construction works, cybersecurity and privacy controls, and managing multiple contractors on design, inventory, procurement, delivery and assurance to meet needs.

The latter part of 2023 focused on strategy and implementing strategy for the AGSM Exec-MBA (part time), with 2024 commencing an intensive “Executive Year” with a cohort working together for the year on an intense double workload and short courses, testing hard and soft skills.

CONSULTING

239

Actual Consulting Days

We were grateful to support university customers with their network refresh and transformations goals by assisting with a market evaluation for a wired and wireless network and security infrastructure.

Work continued to deploy WIFI6 across approx 160 buildings at UNSW, coordinating efforts across 50 staff from 20+ consulting and contractor organisations. Significant complexity was managed to ensure safe construction work, baked in cyber security and privacy controls on access to personally identifiable data tied to device locations on campus via a data governance working group

30

days active on smart sustainable cities related work

PRO BONO

In 2024, James stepped down from the ASCA board to focus on completing his Executive MBA that required three intensive executive terms and a capstone project.

James continued to chair IEC Systems Committee work representing Australia at virtual events, plenaries and in reviewing standards. He represented Australia at the Standards plenary held in Jinan, China in June 2024.

The following work was published this year resulting from substantial drafting and reviews over the past 2-3 years

March 15, 2024: SA TS 5386:2024 Multi function poles

April 17, 2024: Smart Cities: An essential enabler for Australia's future

June 7, 2024: AS IEC SRD 63188:2024 Smart cities reference architecture methodology

June 7, 2024: AS IEC SRD 63273.1:2024 Smart city use case collection and analysis - City information modelling, Part 1: High-level analysis

CARBON IMPACT ANALYSIS

Smart Footprints & family direct carbon emissions grew from 24 CO2 tonnes to 38 CO2 tonnes in 2023-24.

Food and Waste [16 to 16 CO2 Tonnes] Covered the cost to produce, transport food and drinks and dispose of waste; Co2 was based on 5 days meat and 2 days veg diets, same as last year.

Utilities [-0.44 to 0.52 CO2 Tonnes] NBN calculated average increase in bandwidth consumption and electricity generated from solar to batteries and the grid, less the impact of gas consumed.

Travel [9.83 to 21.12 CO2 Tonnes] Two unplanned trips to the UK for family reasons and a trip as head of delegation to Jinan China for Smart City Standards work accompanied by my wife.

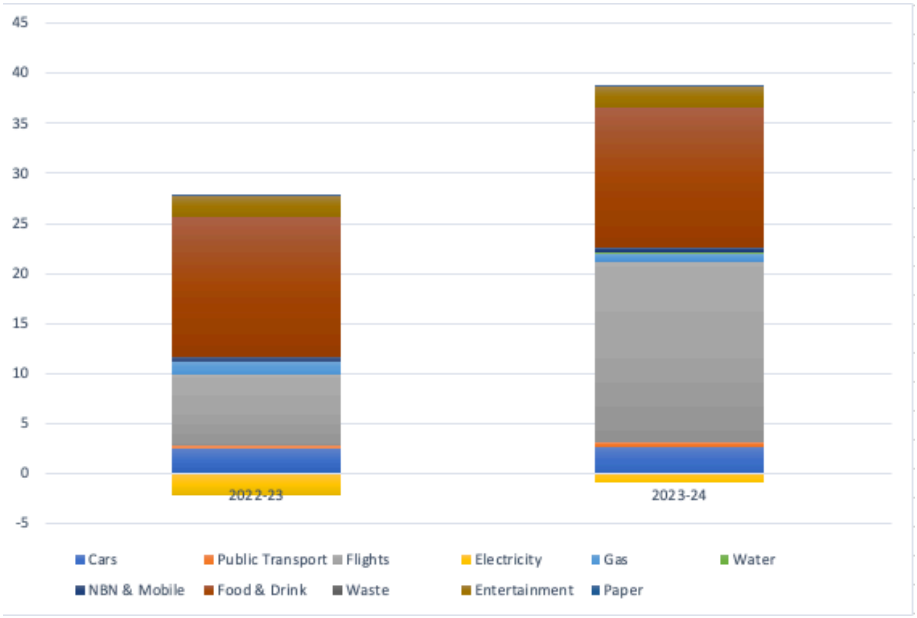
The total emissions are **37.83 CO2 tonnes, higher than 24 Co2 tonnes last year, primarily due to a significant increase in overseas travel.**

When put into comparison with other averages, it was

- Lower than Australia's 44 Tonnes Co2 average per household (2023-24)
- More than double the average globally per household metric at 16 Co2 tonnes .

Source: https://chatgpt.com/s/t_68bcf46555b08191917edc69d696ad09

CARBON IMPACT



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CARBON OFFSETS

INVEST FOR GROWTH

Our Plans for 2023-2025 are to continue to invest for growth in our research and advisory practice to create a broader range of products and services.

Universities

- We will help universities to digitally transform IT capabilities from the infrastructure up to support smart campuses, digital campuses and net zero targets for 1990 emissions.

Local Government

- We will assist the Australian Smart Communities Association in supporting its LGA members on good practices for smart tech and sustainable outcomes.

- We will develop smart place readiness assessments by developing a data analytics platform with AU, NZ and UK partners.

Private Sector

- We will develop a novel data analytics platform to allow SME's to report on carbon emissions and invest in offset programs in Australia and Brazil, and develop multi-year programs to reduce emissions at source