KEY PERFORMANCE HIGHLIGHTS

FINANCIAL YEAR 2
2021 - 2022 UPDATE

Smart Footprints

APPLYING CAPABILITY

CEO UPDATE

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

We wish to thank The University of New South Wales, Edith Cowan University, The Frame Group, Renovatio Consulting, Synnepho and Respiro for their support this financial year..

This financial year we concluded our two major university engagements enabling our customers to make informed technical investment decisions of significant cost and value.

We continued to volunteer time as Australian representative to IEC Smart Cities Systems Standards Development, As Co-Chair for Standards Australia's national Smart Cities committee and as a board member for the Australian Smart Communities Association helping develop value and grow membership.

Our services have matured during the year with new capabilities in Smart Campus Strategy, new Wi-fi6E design and market insights resulting in a multimillion dollar project and business case issued by year end.

It has been a very busy year, the numbers add up to 334 days of effort with long but rewarding days.

Our combined business and family CO2 impact was 15.18 tonnes in 2021-22. This has sadly more than doubled to approx 40 Tonnes this financial year.

Some reasons were less solar panel production; all family members working and studying from home and later in the year more travel across Sydney.

A Carbon Offset will cover this carbon impact with a local Brazilian NGO to protect the biodiverse Amazon Rainforest, more on that for next year's update.

We continue to work with universities and councils. Market conditions have been tough with COVID uncertainty. It remained a busy financial year and it meant this report was delivered much later than planned.

For 2022-23 we will turn attention to data platforms for smart campus and sustainability, the aim to help SME's, Govt and LGAs report easily on carbon and tech impacts and work towards a more sustainable planet.

Despite the ongoing challenges of the pandemic, we remain optimistic for ongoing paid work and hands on lessons in digitising infrastructure for 2022-23..

I would like to especially thank my family for their support during a very busy year and express similar appreciation to my customers, partners and friends helping me to develop and grow as a person and as a business.

James Sankar
CEO, Consultant

Business Dev

Developing the marketing pitch with professional support, developing partner agreements and opportunities, exploring new services, seeking advice from local and international mentors

15
Partner & Mentor days

50
Research & Development Days

RESEARCH

Marketing value to customer segments, analysing accounts to show net value, developing Python code for data analytics

CONSULTING

Delivered time & materials and fixed time engagements

239
Actual Consulting Days

30
days actively participating in smart sustainable cities and LGA member work

PRO BONO

Support to Standards Australia, IEC, The Australian Smart Communities Association

RESEARCH

50

Research & Service Development Days

Participated in the Standards Australia Critical and Emerging Technologies Digital summit to ASEAN country representatives

Assisted in research that contributed to Smart Cities Security and Resiliency paper released in Oct 2022.

Completed detailed research into financial value and marketing via the UNSW AGSM MBA Executive program (part time) to provide a broader suite of concepts, tools and frameworks to make the case to invest in the digitisation of cities.

CONSULTING

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 included preparation of tender documents, completion of an architecture blueprint to uplift security posture for zero trust, ZTA policy framework and documentation and review and recommended selection of a preferred vendor.

For another client, we helped conclude a Wi-Fi survey taking the results and stakeholder consultations to create a new Wi-Fi6 capable network with advance enforcement controls to improve campus experience and support a secure smart campus of the future.

PRO BONO

30

days actively participating in smart sustainable cities related work

Chair of the Standards Australia mirror on IEC Systems Committee for Smart City Systems - meeting monthly to review and ratify Australian standards.

Chair of the IEC Observatory and Research Global Advisory Group for Smart City systems - undertaking emerging trends research via report reviews and surveys

Co-Chair of the Standards Australia Smart Cities National Committee meeting quarterly for a thematic focus on security and resiliency, circular economy, aging communities, sustainable cities, regional places and UN SDG's.

Board member responsible for member management for the Australian Smart Communities Association, helped grow the member base with a new Customer Relationship Management platform, onboarded new members, consulted to members.

CARBON IMPACT ANALYSIS

Smart Footprints & family direct carbon emissions grew from 15.18 CO_2 tonnes, 40 CO_2 tonnes in 2021-22.

Food and Waste [8.57 to 14 CO_2 Tonnes] was the second highest emitter, this covered the cost to produce, transport food and drinks and dispose of waste; CO_2 was based on 5 days meat and 2 days veg diets, this is a rounded up high level estimate.

Utilities [6.95 to 18.92 CO_2 Tonnes] this was largely Fibre-to-the-home/Wi-Fi and 4G mobile usage across all household members working from home and home schooling over zoom with access to other digital content and services. and increased use of gaming and streaming services.

Travel [3.56 to 4.77 CO_2 Tonnes] included trips to Melbourne and Suva, Fiji, weekly bus, train trips to the city and local car use of 8,900 Kms, down from last years 15,000kms travelled.
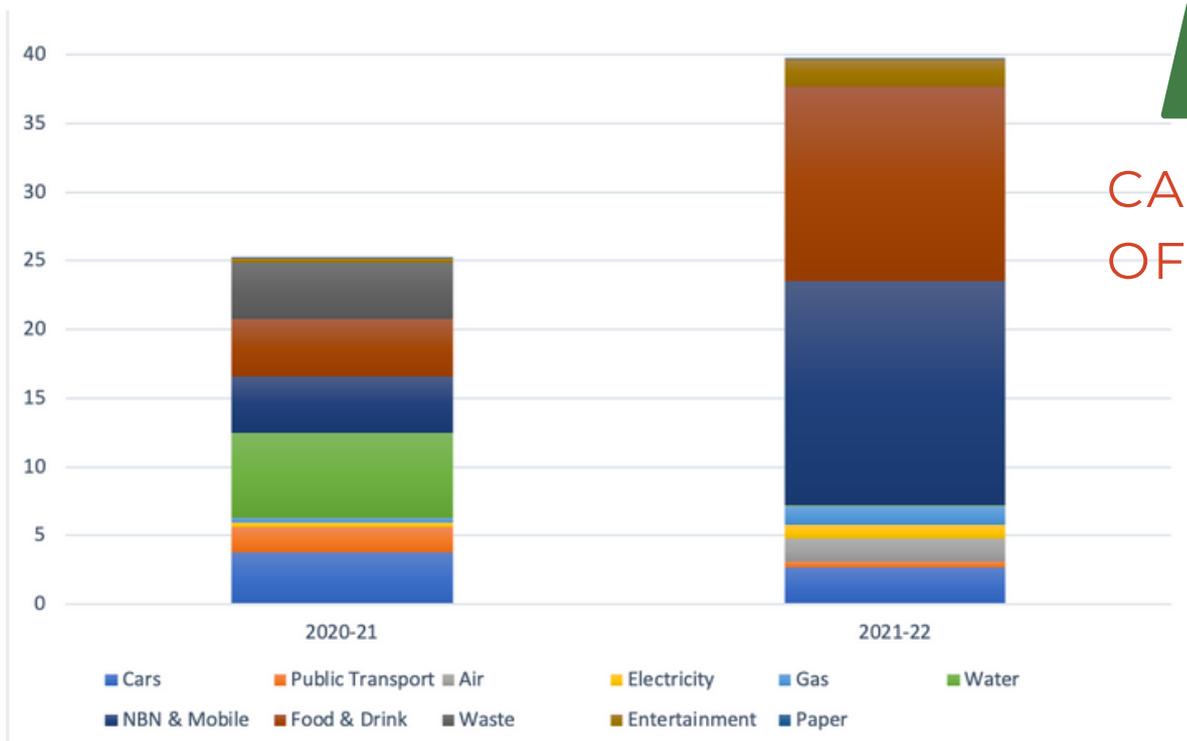
The total emissions are more than two times higher than Australia's 15.09 Tonnes CO_2 average (2021) and approx. nine times the global 4.69 average (2021)*

- https://ourworldindata.org/per-capita-co2

CARBON IMPACT

40

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

WHAT WE DO

SMART PLACES

We can create or implement smart place plans.
We can review, design, procure, operate & managed services.
We specialise in complex digital infrastructure, data platforms and services at scale in optimal, secure cost effective ways.

INTERNET OF THINGS

We capture multi-vendor IOT platform data to sense and understand environments.
We apply relevant policy, viable operating models and secure scalable services to enterprises, campuses, precincts, communities and cities solutions.

DATA

We host a unique data analytics platform
Multi-tenant flexible and user friendly
Queries and correlates business, public accessible, sensor & spatial data sources.
Identifies trends, correlations & predictions at scale.
Supports valuable insights for decision making.

DATA NETWORKS

Data Networks are critical for data movement.
We deliver resilient, secure, agile Network Automation solutions
We have specific Information and Operational Network Security services.
Network Monitor and Management services available.

MISSION

Solve global challenges at the city and places level.

Our unique consulting practice and data driven "system of systems" platform informs and supports organisational resourcefulness, resiliency, productivity and environmental sustainability.

We do so to proactively nurture, protect and sustain our planet for future generations.

VISION

To cultivate data into insights that accelerate competitive advantage and environmental sustainability.

We do so by utilising world class Infrastructure, Systems, Diverse Multi-Generational Talent & Quality Processes.

WHY IT WORKS

We combine current and emerging sensors, platforms, data and processes.

We source talent via our agile partner ecosystem.

We will adopt a "protopian approach" to expand our understanding and impact.