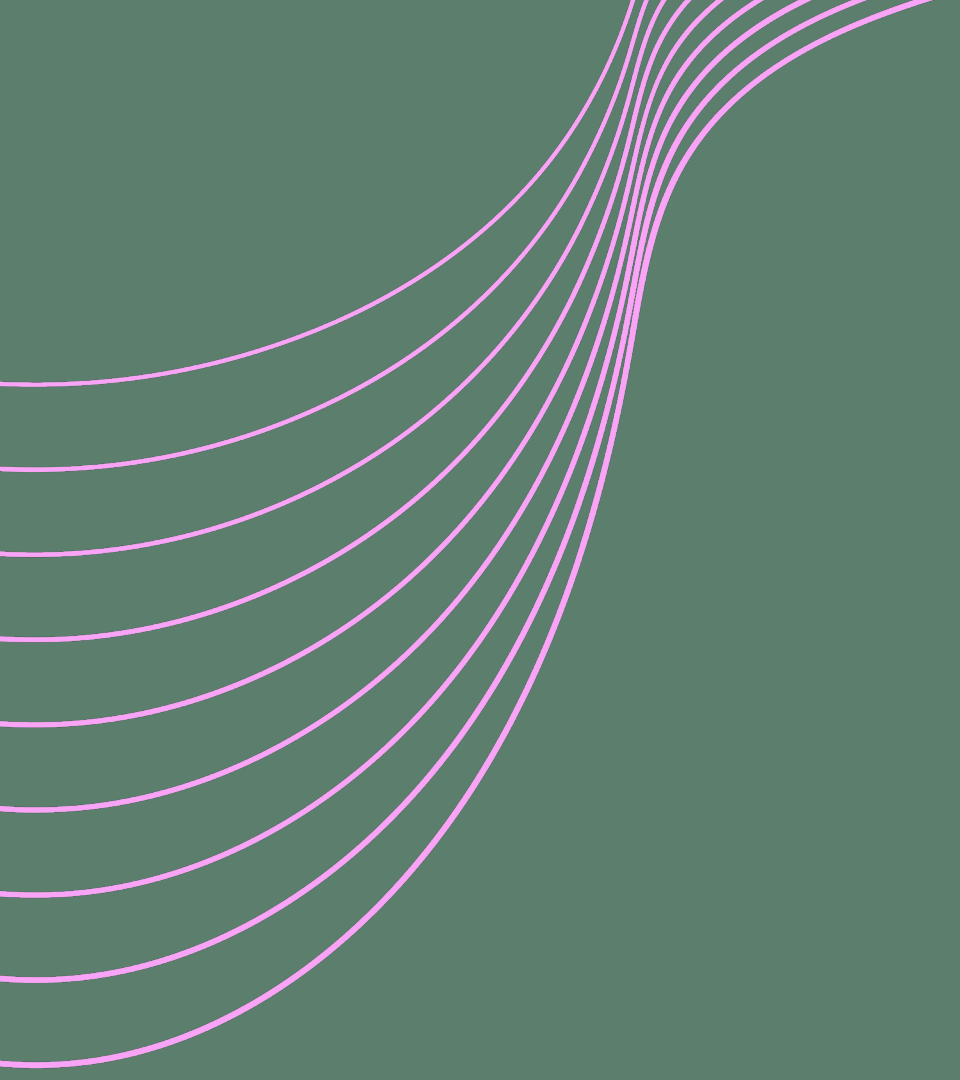


UNIVERSAL SUSTAINABILITY

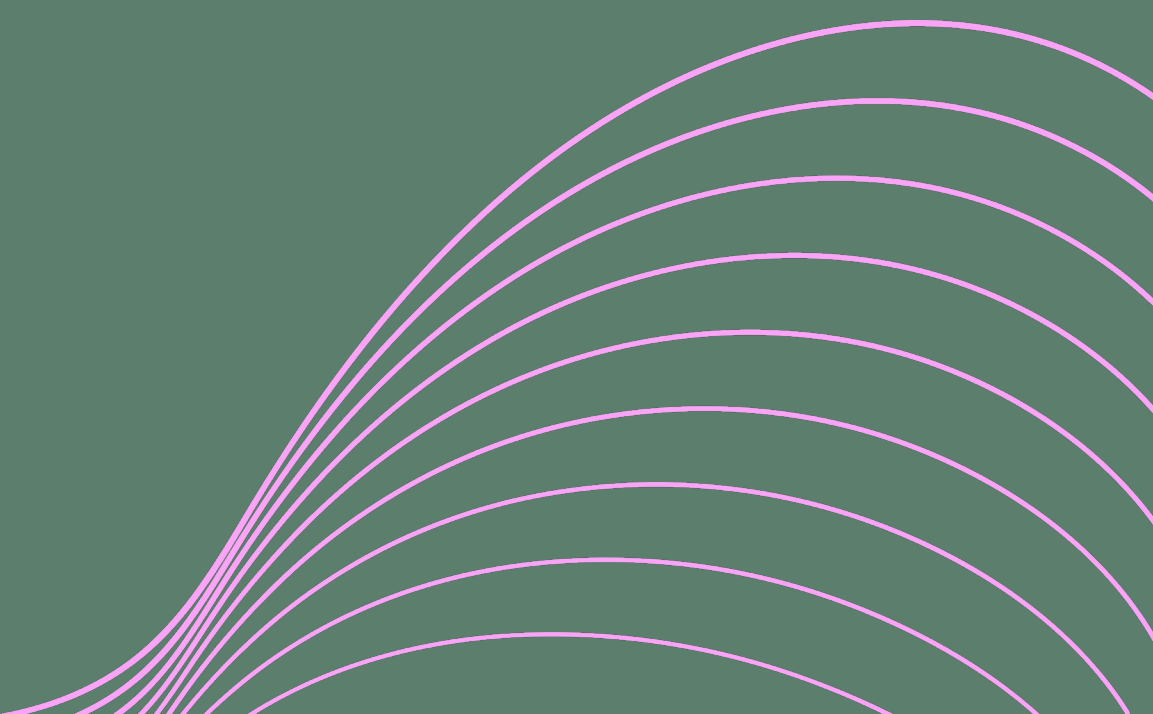
BACK TO BASICS





“KISS”

**KEEP IT SUSTAINABLY
SIMPLE**





INTRODUCTION

We are a dynamic business that offers expert **Turnkey** Construction & Consultancy Solutions for the built environment.

Our offerings work together to both reinforce the creative output & create a **seamless brand & user experience**, delivering practical solutions in a real-world environment. Our approach is unique, with tangible business outcomes that elevates your business.

Qualicon & PDNC Group exist to make ideas happen. We pride ourselves on our ability to grasp the essence of an idea & do everything in our power to **bring that idea to life**. That places execution at our core. We believe that execution is as important as the idea itself & have therefore structured our business to ensure **effective, efficient & accurate** execution of any idea, across any platform.





WHO ARE WE

We are strongly committed to development opportunities in Africa having already procured & delivered a number of **prestigious projects** across the continent. We fully understand how to support their needs & deliver to the requisite high standards in what can be challenging environments

Qualicon & PDNC Group have delivered signature projects in both the **private & public sectors**. Whether commissioned to provide a specific competency or our **uniquely integrated service offer**, we always works successfully with major clients on market-defining projects. We constantly strive to innovate & believe our early stage approach to the deliverable is both transferable & well placed to significantly benefit our clients in the African market.



100% Black Owned



Year Of Success



Countries deployed



Projects Completed



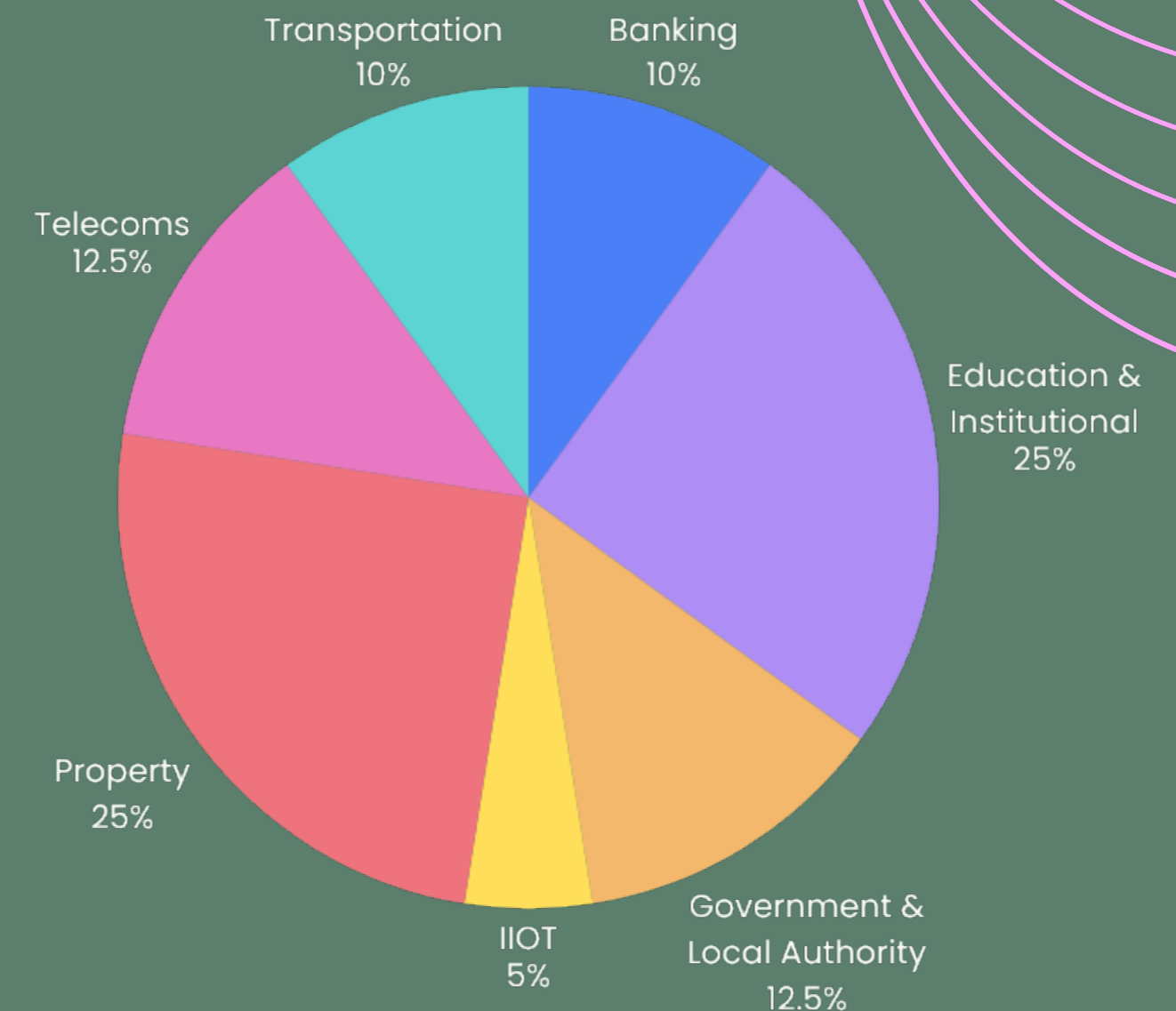
Staff Expertise



SECTOR EXPERIENCE

Our business success is underpinned by a desire & commitment to deliver best in class service to our customers in existing & emerging markets. Continued growth of our global customer base is testimony to our capability & demonstrates that we can quickly create or expand existing delivery capability to meet client demands.

We understand the constraints & operational demands of delivering high quality outcomes in developing environments & consequently place significant emphasis on building strong relationships in the territories we support. The current market trends are subject to difficult & complex conditions & our ability to resource & plan strategically & our determination to forge new frontiers by flowing our ethos of customer first.





SUSTAINABILITY BACK TO BASICS

In 2040, tertiary organisations will still consider the campus as delivering a **strong sense of belonging** & more than ever as a **marketing weapon**, creating & sustaining their identity.

However, the way in which people want to **work, live, learn & play** is predicted to change drastically by 2040, keeping up with **disruptive technology & human trends**. While it may be a little premature to write off the need for a campus entirely, there's no doubt online **mobile education** is set to radically alter university architecture.

TO INFINITY & BEYOND



1

THE NEED

The Universities has a diverse & complex community & eco-system. It's property portfolio has significant further value that can be unlocked through the optimization of the assets at its disposal.

3

LIFE-CYCLE SCOPE

The Scope of Works is for the Provision of Professional Services for an Organisational Review of Real Estate & Ancillary Services. We will look at Process & Technology as well as personnel that is required to ensure Strategic

5

WHAT IS NEEDED?

Adapt to the new learning requirements – the desire for great spaces – be harnessed to create a learning environment fit for the 21st century?

2

UNIVERSITY PRINCIPLE ASSETS

People • Property • Process • Proces • Produce • Power

Pivotal to delivering sustainable efficiencies & operating cost savings by transforming the way the portfolio is operated & the manner in which the faculty utilizes its assets in terms of strategy, estate operations, security, maintenance, & facilities management.

4

EXAGGERATED WARNINGS

There are two significant reasons why the university campus, like the CBD, will survive:

6

FUTURE UNIVERSITIES

- Not a man for all seasons, be accessible wherever & whenever our learners are.
- Above all else, students must be at the centre of this new architecture.

ECO CAMPUS – EVOLUTION

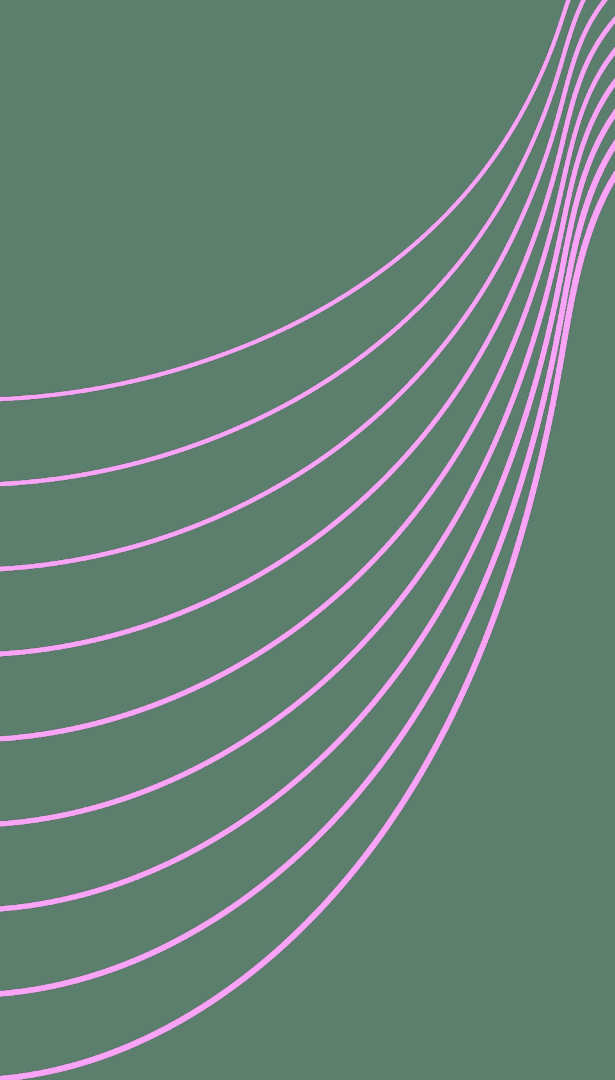
By 2040, we will not own facilities, we will **consume** them. Our Real Estate portfolio will resemble a **network of workplaces**, & our workplace will be a **work | live | learn | play** environment spread across an eco campus.

The Eco Campus is the **place rather than a space** – a solid combination of mostly desirable futuristic trends in a **highly networked**, campus-based network. It is more like a co-working / learning environment than a workplace – people meet, collaborate & network as and when required. Located in the main urban hub, it attracts Entrepreneurs & Specialists from all horizons



As a consequence, organizations will need to adapt to the changing demands, aspirations & expectations of end users & our industry of Facilities Management & Corporate Real Estate to the demands of both end users & customers:

- **Adapt our service delivery to fit, proactively & in real time**, the increasingly complex requirements of our end users,
- **Redefine** our real estate model to meet the demand of end users wherever they are & at any given time of the day
- **Redesign working environments** (single facilities, shared facilities, local amenities, service delivery, support services...) to meet increasing real time user demands
- **Digitize our service delivery for simplicity** – & provide human centric support services to enhance the performance of end users



ACADEMIC CAMPUS 2040 FOCUS AREAS

Operations team need to focus on 11 major areas to derive the benefit of the most prominent global trends & alleviate the constraints in data & analytics

- | | | | |
|-----------|---|-----------|--|
| 01 | BE CENTRALIZED, EMPOWERED & PROCESS ORIENTED | 07 | ESTABLISH COORDINATED INFRASTRUCTURE MANAGEMENT |
| 02 | LEVERAGE DATA ANALYTICS & BUSINESS INTELLIGENCE | 08 | FOSTER A CULTURE OF INNOVATION |
| 03 | FOCUS ON SERVICE DELIVERY EXCELLENCE | 09 | ADOPT A MIX OF PARTNER MANAGEMENT/LEVERAGE |
| 04 | INVEST IN FORMAL INTERNAL RELATIONSHIP MANAGEMENT FUNCTION | 10 | BE CHANGE AGENTS |
| 05 | PROVIDE STRATEGIC PLANNING | 11 | FORMALIZE RISK MANAGEMENT |
| 06 | BELIEVE IN ACTIVE TALENT MANAGEMENT | | |

DAY IN THE LIFE OF A LEARNER IN 2040

Entering, learning, working & collaborating has new meanings in 2040 – **everything is interconnected** & interoperable within the Internet of Things & a standardized ecosystem. Real Estate & Facilities Management **services are aligned with IT** services to allow for a seamless user experience.

ENTERING

Upon entering a building in the EcoCampus, staff/visitors are:

- **Automatically identified** using facial recognition software
- **Able to BYOX** (bring your own “x” – e.g. software, robotics) & “plug & play” directly into the campus’ ecosystem
- **Access FM services** (e.g. coffee, catering, concierge) through an eFM card – limited by access profile

LEARNING & WORKING

Staff & students can choose how they wish to work in 2040, enabled by Real Estate & IT. For example, employees can choose to:

- Work for home, using telepresence or avatar services to connect with colleagues
- Work at the “**Trophy campus**” – a rich & highly experiential multifunctional space to meet & network

Working at the campus is a **multi-layered** experience, with a **rich typology** of spaces available.

The office is **monitored** by a P3FM environment (Professional, Personalised, & Proactive FM services) – which scans the environment through smart watch & regulates the temperature & humidity within the building checked.

This is **adaptively adjusted** based on the preferences of all the people present in the office.

COLLABORATING

In 2040, lecture rooms are designed to **maximise collaboration** for both real & virtual attendees.

For example:

- **4D Telepresence rooms** allow attendees to see, feel & sense participants
- The **walls are interactive**, & activated by voice or gesture recognition
- Teams can work through different task & decision boards that bring up relevant knowledge & **filter out** less relevant items.
- The space is **gesture & eye movement** enabled, so navigation is fast and easy
- **AI robots support** the meeting by continually checking facts & assumptions in real time, answering questions & running calculations and simulations
- **The robots also keep track** of the meeting/ lectures with a full transparent audit trail, logging decisions, analytics & actions required

ECO CAMPUS – EVOLUTION

1990	2015	2040		Impact in 2040
Conventional working & studying Patterns	Flexible Pattern	Radical Patterns	Flexible study patterns	Choice based restructured patterns – Personal choice dictates working & studying patterns
Campuses	Centralised	Hub & spoke	Hub & Spoke spaces	Access to wide range of co loc facilities less than 20 km away from home
Deanery	Central Headquarters	Multiple Campus	Mixed facility	Mixed facilities in one single location creating a community environment
Classroom as an imperative	Lecture as a service	Trophy Workplace as a reward	Formal spaces as a reward not necessity	Access to a halls, lecture rooms, clinics, research rooms is a luxury, a reward & provides outstanding experience for users
Meeting	Collaborating	Co-USE	Meet & collaborate	The essence of learning is based around cooperation amongst a participative society
Dedicated	Shared	Multipurpose	Multi-purpose & functional	All facilities are multipurpose, mixing different activities (work, leisure, entertainment, sport, medical centers...)
Health	Wellness & Well-being	Bio-Wellness	Balance	Wellness is a multidimensional state of being, describing positive health, exemplified by quality of life and sense of wellbeing. Wellness is at the core of our way of living, moving from wearable to implantable.
Integrated Service Delivery	Integrated Service Delivery	Experienced based Service Delivery	Learning based delivery model	Service delivery is people centric & technology focused to enhance user experience

PREPARING FOR THE FUTURE

“RE-IMAGING” buildings, campuses, precincts & spaces can regenerate & create a community plaza where people can gather, work, live, learn & play. Tech free zones & smart work pods adjacent to each other harmoniously working together in delivering to the required expectations. **Energy-optimized smart buildings**; spaces to spark creativity with teammates; trees, trails, & transit close at hand.

These are just some of the positives that can be achieved with a well-planned campus that is functional & rewarding.

- A unique delicate **balance** of a well-defined space & fueled by a well placed & needed service that the student, staff & clients will need & want, will **empower** employee collaboration & community connections, upgrade existing workspaces, & enhance sustainability.
- Building the kind of spaces, we need for the future. A company moving into the next era will create a space for the employees here now & the eighth graders who will be here one day. In the past, the employee had to flex to the space. **Now, the space flexes** to the needs and wants.
- Mind set & culture have dramatically transformed, so has the thinking about how we want to **work, create, & connect**. Focus & privacy can be found in a soundproof drop-in phone booth or upholstered alcove’s inspiration (& according to research, employee health) can soar in a light- filled atrium, cushy couches providing a welcome landing space for team touchdowns. Impromptu conversations, encouraged by communal work **“neighbourhoods”**, can lead to innovation; better productivity & faster, more agile development.
- The **transformations** of the workspace that is now being explored will bridge where we are with where we’re going.

KEY TRENDS TO SUSTAIN THE FUTURE



1 TECH-DRIVEN & AI-AUGMENTED

Partnerships will increasingly leverage AI & data analytics for performance measurement, optimization, & decision-making.

3 ECOSYSTEM-BASED

Businesses will move towards creating robust ecosystems where multiple partners collaborate to develop joint solutions, enhance customer experiences, & scale innovations.

5 FROM TRANSACTIONAL TO STRATEGIC

The focus will shift from short-term, revenue-based gains to building long-term, value-driven relationships based on trust & transparency. This includes deeper collaboration on co-selling, co-marketing, & co-investing in innovation.

2 FUTURE FOCUSED & PURPOSE-DRIVEN

A focus on long-term value will prioritize sustainability goals & purpose-driven work, which can lead to stronger, more resilient relationships.

4 CROSS-SECTOR COLLABORATION

Partnerships will increasingly bridge traditional industry lines to address complex societal & environmental issues, building mutually reinforcing linkages across sectors like energy, technology, & agriculture.

6 AGILE & RESILIENT

Businesses will need to adopt agile frameworks to adapt to changing market needs & ensure partnerships remain relevant & impactful over time.

HOW TO PREPARE FOR THE FUTURE

ASSESS & IDENTIFY GAPS:

Evaluate your current partner ecosystem to identify gaps where strategic alliances can provide value.

STRENGTHEN RELATIONSHIPS:

Move beyond transactional goals to build trust & transparency, encouraging open communication & joint planning.

PRIORITIZE LONG-TERM VALUE:

Shift the focus from short-term wins to long-term mutual success & the creation of shared value.

INVEST IN DATA & TECHNOLOGY:

Implement technologies & processes to gather & analyze data for performance tracking & actionable insights.

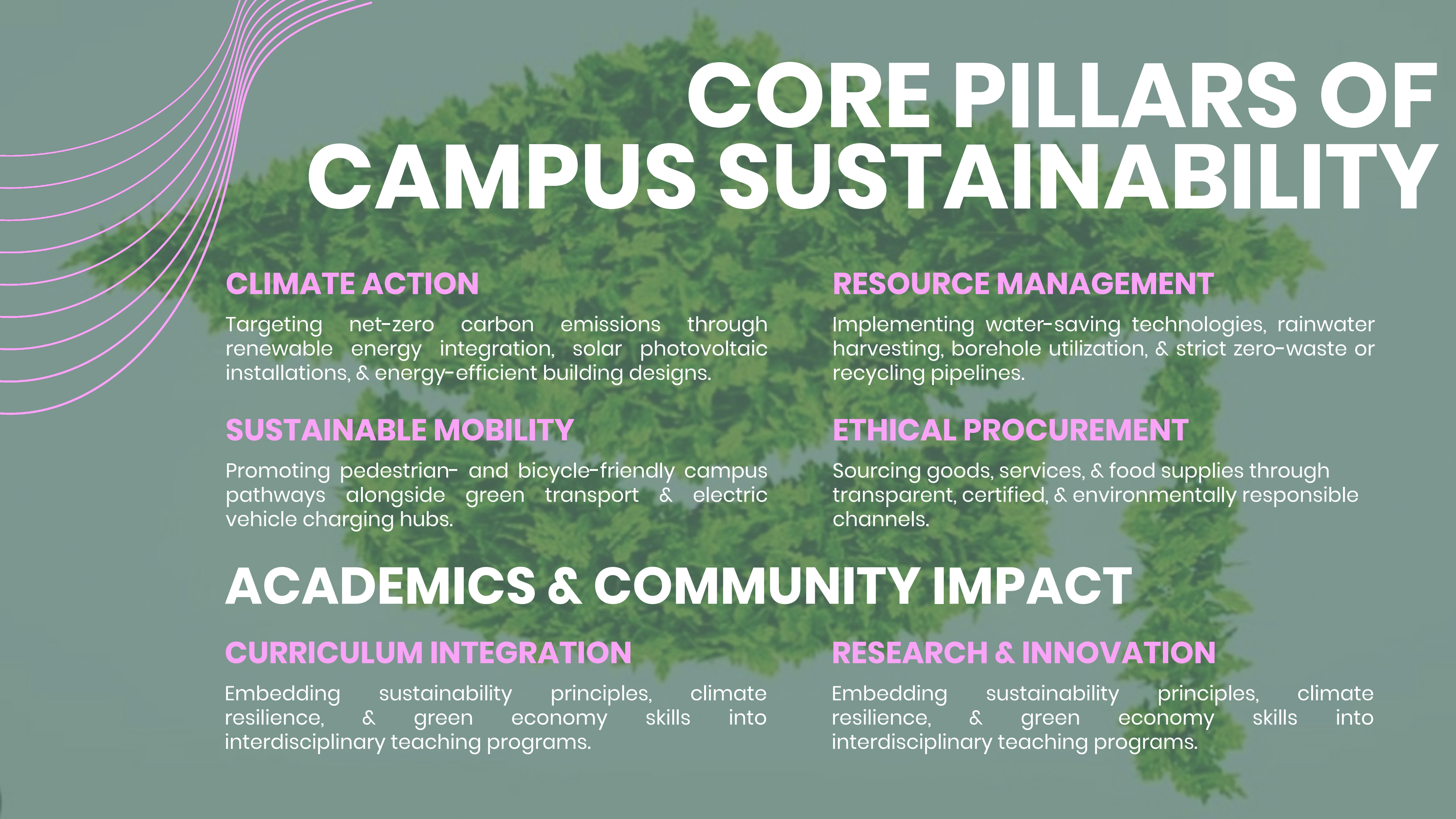
EMBRACE NEW TECHNOLOGIES:

Proactively incorporate new technologies like AI into your partnership strategies to maintain a competitive edge.



KNOW | USE & REDUCE | AGUMENT
YOUR ASSET





CORE PILLARS OF CAMPUS SUSTAINABILITY

CLIMATE ACTION

Targeting net-zero carbon emissions through renewable energy integration, solar photovoltaic installations, & energy-efficient building designs.

RESOURCE MANAGEMENT

Implementing water-saving technologies, rainwater harvesting, borehole utilization, & strict zero-waste or recycling pipelines.

SUSTAINABLE MOBILITY

Promoting pedestrian- and bicycle-friendly campus pathways alongside green transport & electric vehicle charging hubs.

ETHICAL PROCUREMENT

Sourcing goods, services, & food supplies through transparent, certified, & environmentally responsible channels.

ACADEMICS & COMMUNITY IMPACT

CURRICULUM INTEGRATION

Embedding sustainability principles, climate resilience, & green economy skills into interdisciplinary teaching programs.

RESEARCH & INNOVATION

Embedding sustainability principles, climate resilience, & green economy skills into interdisciplinary teaching programs.

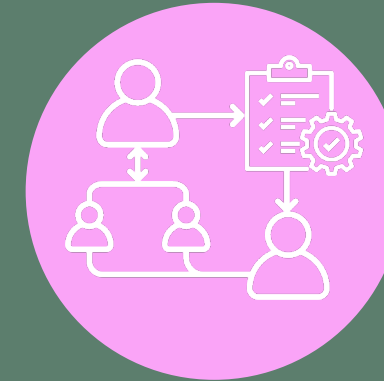
PRINCIPLES



Value for money



Delivery focused initiatives



Impact to general areas

Aligns with business needs



Occupied buildings that provide end users with an environment that promotes a culture of collaboration, **high performance & innovation**

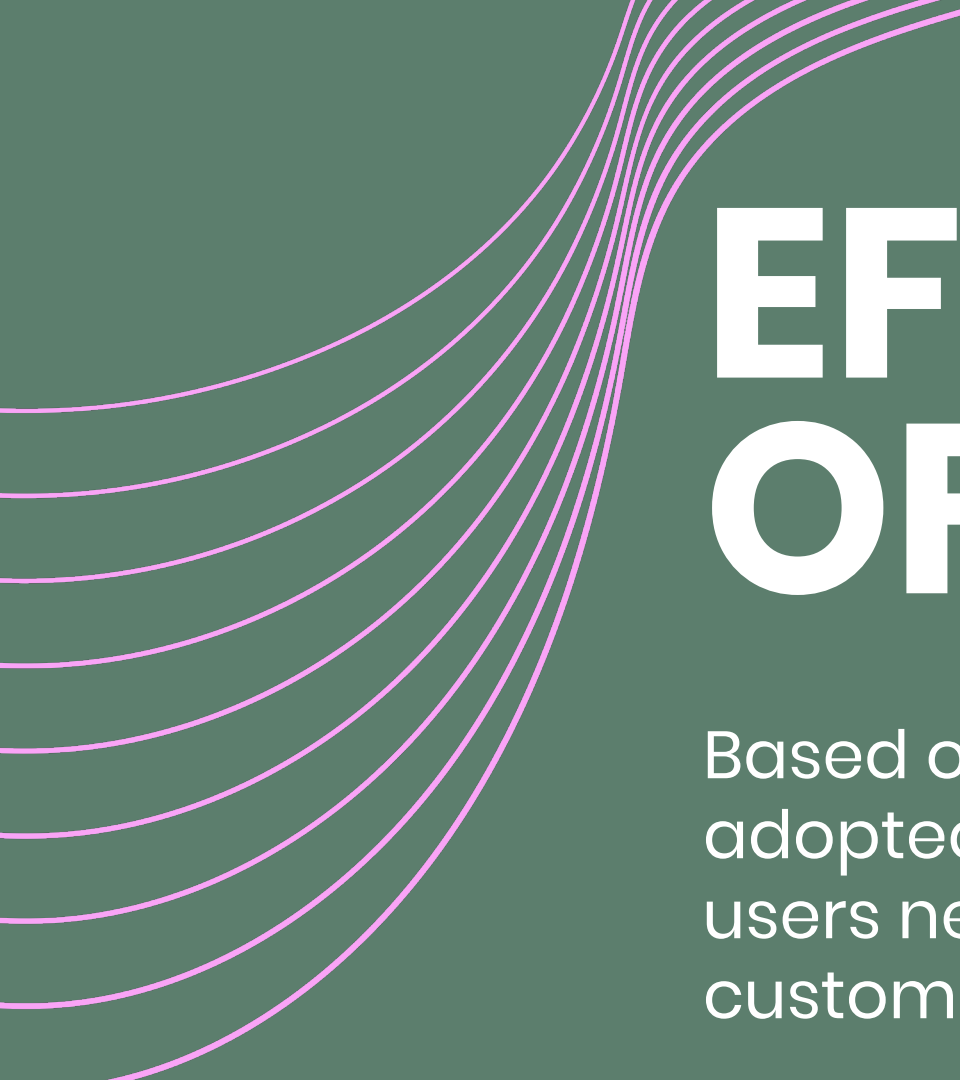


Provide spaces that are **sustainable & flexible**



The building must provide a **brand image** aligned with the company Location and image requirements of all divisions considered



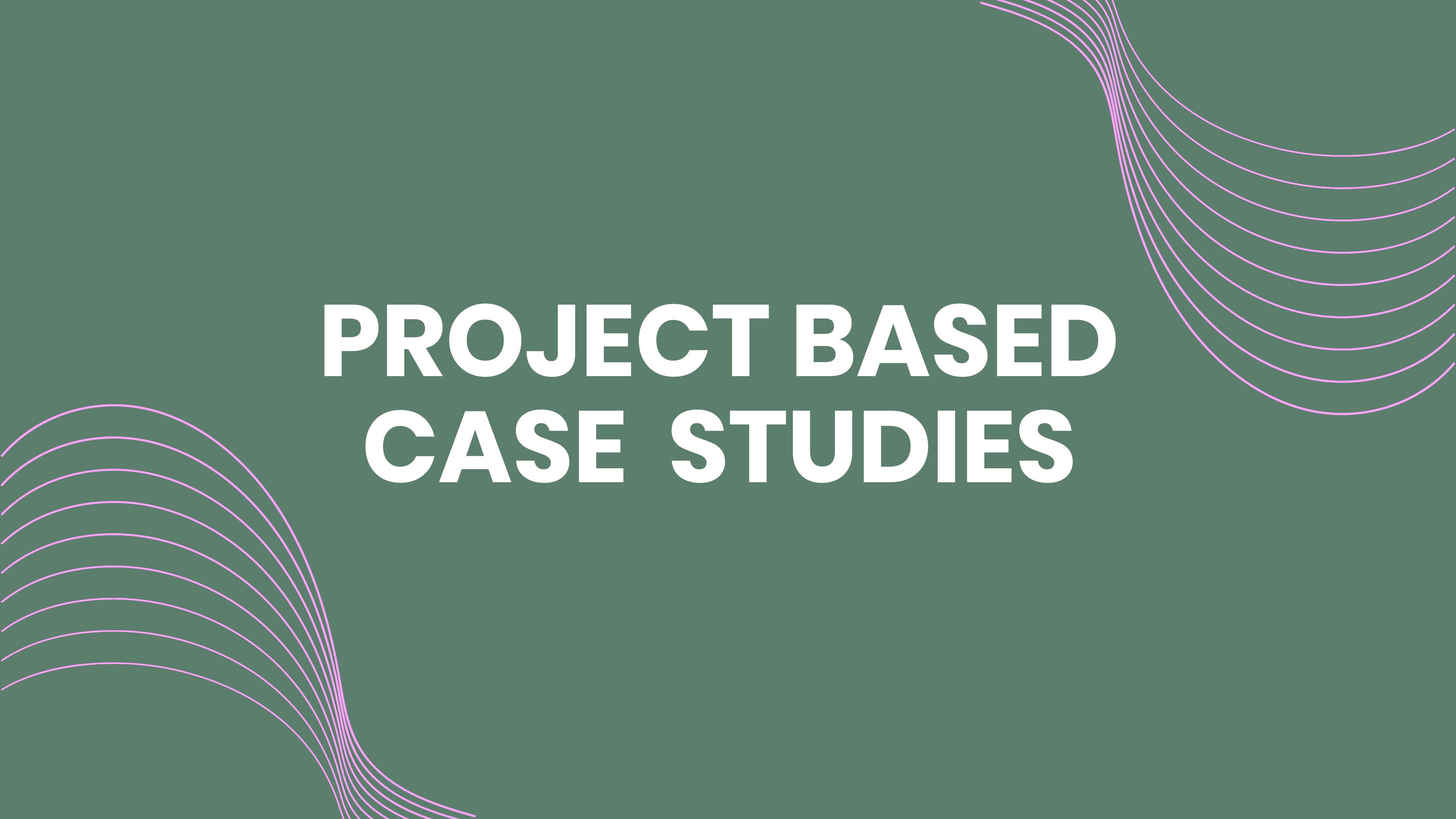


EFFECTIVENESS OF SIMPLICITY

Based on our experience, we ascertained that a simple but effective solution needs to be adopted to **“Re-Image”** the general spaces within Universities' asset portfolio. The end users need spaces that they can focus, collaborate, strategize & deliver to their customers needs & wants.

The **basic necessities** are paramount to ensure a healthy & happy workforce, which with a little ingenuity can deliver **HIGH IMPACT** that will not break the bank. Providing an environment that is climate controlled, light, comfortable, flexible, & easily accessible will encourage the staff & clientele to utilize the spaces more efficiently & **create a buzz** about a space previously underutilized.

We suggest that the Universities focus on the areas that will appeal to your needs & the market trends for the future. This can be achieved by **implementing non- structural**, feel-good focus areas that will be well received & promote a **better end user experience** & environment.



PROJECT BASED CASE STUDIES

ENERGY SUSTAINABILITY

WATER SUSTAINABILITY PROGRAMME

Considering the recent drought affecting South Africa and Africa commissioned the development of a campus wide Water Sustainability Management Strategy. This strategy is UCT's commitment to ensure Business Continuity & to achieve a state of water Net-Zero by no later than 2050. PDNC was brought in to develop a Water Sustainability Strategy through a collaborative process with the aim of developing a new vision, understanding, appreciation, & relationship with water.

The programme consisted of 37 projects. This will be the first for any Tertiary Institute in Africa & contributes largely to UCT's vision of being ZERO carbon neutral. The programme & all its initiatives will be used as a "living Lab" for resident & visiting lecturers, students & authorities whom wish to replicate the systems and initiatives.

PROGRAMME, PROJECT, COMMERCIAL MANAGEMENT:

A programme was developed to achieve the following goals & the team was tasked with developing & delivering the complex programme of work arising with the aim to:

- Reduce overall demand & dependence on municipal water supply & wastewater treatment
- Maintain business/operational continuity during periods of unprecedented low rainfall & water restrictions
- Reduce the overall spend on water (a scarce natural resource) through appropriate investments
- Provide a diverse, resilient & sustainable combination of water resources
- Mitigate UCT's overall impact of runoff on downstream water quality
- Maximize Living Lab opportunities that this strategy presents, where students can learn & undertake research in relation to water projects happening on the campus facilities



Many projects were initiated over a 5-year period, currently in the final year of the project which has been extremely successful thus far Including:

- Replacement of Fixtures & Fittings
- Borehole investigation & infrastructure.
- Green Precinct Water Treatment Plant & Interpretive Centre development
- Digital Water adoption.

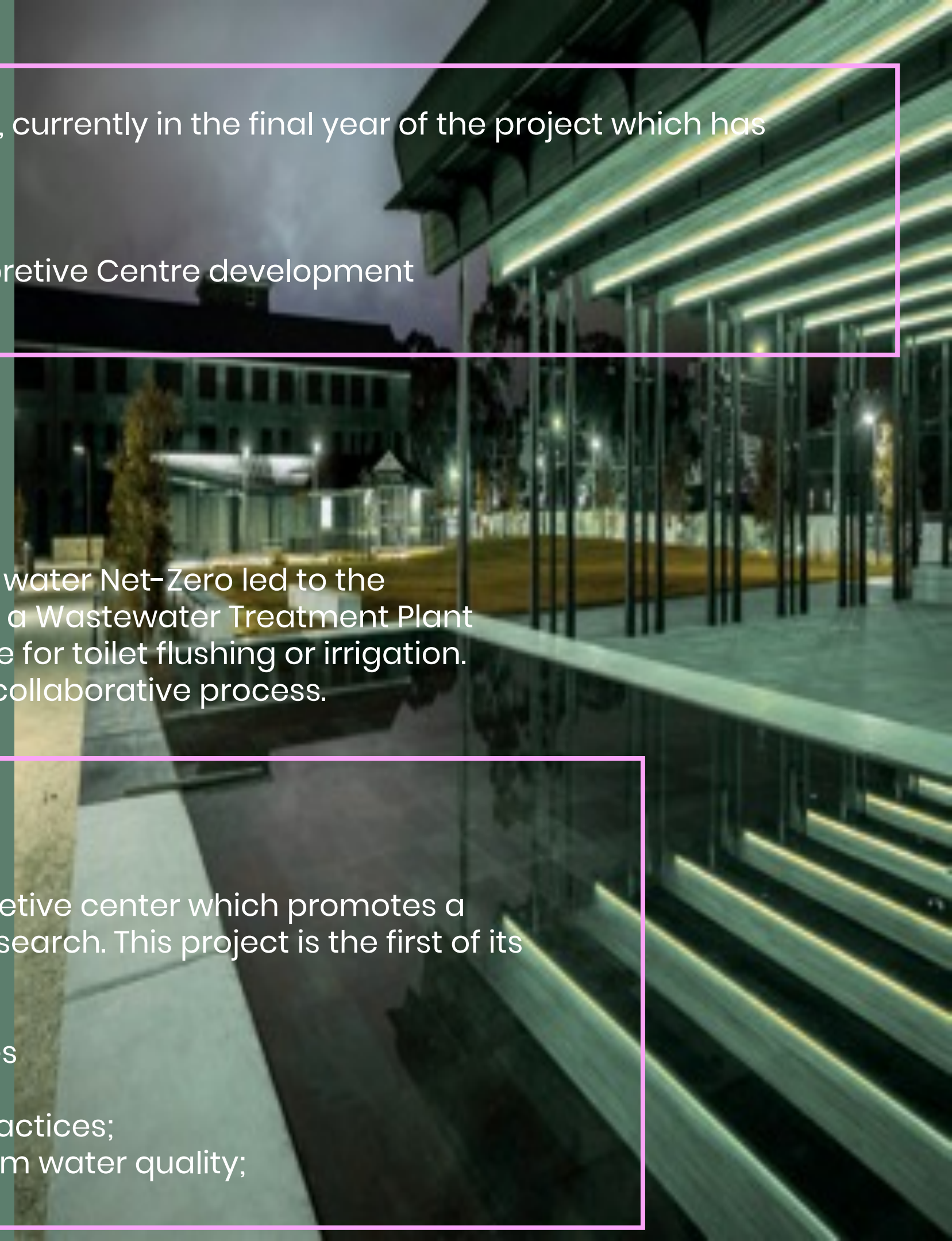
GREEN Precinct INITIATIVE

The clients commitment to ensure Business Continuity & to achieve a state of water Net-Zero led to the development of the Green Precinct Initiative. This project involved introducing a Wastewater Treatment Plant into a precinct of university residences to treat black & grey water & repurpose for toilet flushing or irrigation. PDNC was brought in to develop, design & implement the initiative through a collaborative process.

PROJECT HIGHLIGHTS:

The project aims to deliver a Wastewater treatment unit along with an interpretive center which promotes a “Waterwise” community within the university with the opportunity for water research. This project is the first of its kind for a university in Africa. The scope includes:

- Wastewater plant with fully integrated feed & supply system
- Interpretive center for seminars & lectures related to future water initiatives
- Living lab & access points for water research projects from academics
- Landscaped Garden & water features to promote meditation & cultural practices;
- Value engineering to mitigate UCT’s overall impact of runoff on downstream water quality;





- Living Lab opportunities that this strategy presents, where students can learn & undertake research in relation to water projects happening on the campus facilities
- Grow teaching & research on sustainable water management, & related social responsiveness including signage.

ACCOMPLISHMENTS:

- Strategy development
- Procurement of consultants
- Programme development & implementation
- Development & management of client stakeholder committees
- Project team management
- Budget Management
- Financial reporting & dashboard development
- Document development & administration
- Invoice reconciliation

DEFERRED MAINTENANCE PROGRAMME

The client rolled out this programme of work to deal with the required maintenance of the buildings under its portfolio. We were commissioned to Project manage the delivery of projects within a R850m programme of works. PDNC were contracted with a NEC 4 form of contract for a period 5. In addition we assisted in establishing the guidelines for the contracts related to the delivery consortiums for the programme of works. Databases & tools were developed to facilitate recording & reporting of financial & programme information.

CONSOLIDATION – SPACE REDUCTION

A clear portfolio strategy, enables the Group to secure locations for its operations & this opens up significant Asset Management opportunities, essentially creating assets where before there was just operational costs.

NEW WORKPLACE STANDARDS:

The introduction of best practice workplace standards will assist in delivering on our “One Large Financial Institute” strategy & deliver competitive advantage for the Bank Upgrading the quality and sustainability of our core buildings.

A consolidation of the number of office buildings in Gauteng. An efficiency gain resulting in the reduction in net useable office space. A potential annual property operating cost saving. Consolidation can maximise the operational efficiencies & Business Unit synergies reducing whole life costing of the buildings within the campus New Image – increasing market penetration

CAMPUS STRATEGY

It is the vision of Large Financial Institute Senior Management to create a new campus in Downtown, Johannesburg to foster a balanced working environment in a new and vibrant Egoli. The catalyst to this vision was the creation of Large Financial Institute campus which is to become a new beginning for Large Financial Institute Group.

By introducing new workplace standards based on global best practice & a benchmark for the roll out of more efficient space standards across the Group portfolio enabled Large Financial Institute to reduce their property portfolio significantly, however increasing productivity & more efficient workplace environment.

DATABASE MANAGEMENT:

Design, development & Maintenance of dashboards, centralized online sharing platforms & reporting to various internal committees.

COST SAVING

Project “Re-Connect” resulted in a R105mn (FY16) opex saving on leases & delivered a SMART world-class campus for Large Telecommunications Company

BUSINESS REQUIREMENTS:

As part of cost cutting initiatives, the lease on Pretoria Towers was identified as an opportunity area. Additionally, there was an opportunity to maximise space utilisation at the Centurion site, which could accommodate the staff contingent remaining in Pretoria.

Placing all staff in one location after the restructuring exercises would help to drive collaboration & synergies between the teams.

ACTION TAKEN:

Over the course of 2014-2015, all Large Telecommunications Company staff based in Pretoria towers were moved to three new building constricted

A second stack of the building was required based on a large company acquisition and restrictions of the Large Telecommunications Company Group. This has involved:

- Creating capacity in The Apex to expedite the company's business integration
- Optimising the campus footprint as VERP/VSP & outsourcing initiatives have led to pockets of open workstations across campus
- Entrenching the new Large Telecommunications Company culture & agile working principles
- Facilitating the exit of leased premises

Additionally, the campus has been enhanced through developing a new Guest Experience pilot & improved OHS and Security processes & procedures

BUSINESS BENEFITS:

- R105m saved on Pretoria Towers lease
- Improved space utilisation (from 30-35m² to 8,62m² per FTE)
- Reduced cost of maintaining buildings through utilising newer technologies & regular maintenance
- Reduced cost of operations by incorporating sustainable solutions into campus fabric
- Increased business value by developing new revenue streams through increased co-locations on campus

A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.

The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.

A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.

The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.

A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.

The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.

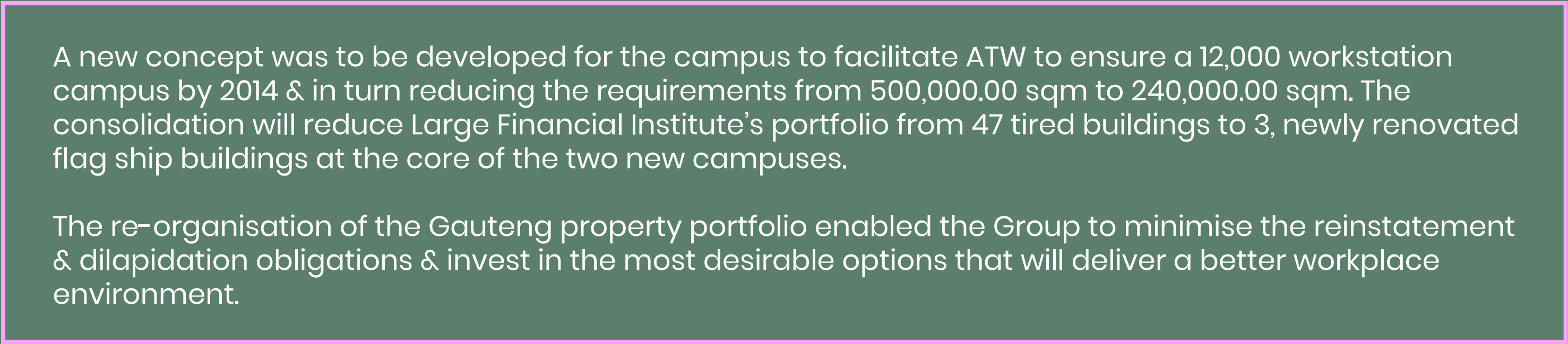
A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.

The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.

A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.

The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.

- A new concept was to be developed for the campus to facilitate ATW to ensure a 12,000 workstation campus by 2014 & in turn reducing the requirements from 500,000.00 sqm to 240,000.00 sqm. The consolidation will reduce Large Financial Institute's portfolio from 47 tired buildings to 3, newly renovated flag ship buildings at the core of the two new campuses.
- The re-organisation of the Gauteng property portfolio enabled the Group to minimise the reinstatement & dilapidation obligations & invest in the most desirable options that will deliver a better workplace environment.



DEVELOPMENT OF COMPLETE PROGRAMME WORKFLOW SYSTEM

The commission was to provide a complete, comprehensive & interactive workflow system that automated the various in-between stages of the programme's life-cycle.

The stages of the programme include:

- Client request form
- Approvals process
- Project resource allocation (design lead, project manager, etc)
- Project life-cycle management [inception to commissioning]
- Close-out report

The system reduced the time it took to move onto the next stage by:

- Notification of all stages to all relevant stakeholders involved at each stage when a certain event is triggered.
- Management of resources & management of resource deployment.
- Management of external resource management to align with availability of internal resources.
- Staff deployment system based on complexity of project deliverables

KEY FEATURES:

- Workflow system from cradle to grave
- Client Request Form
- Document management system
- Projects Database
- Project manager portfolios
- Close-Out process and documentation
- Project/Portfolio Administration and Support

COMPLIANCE INITIATIVE

BUSINESS REQUIREMENT

At the beginning of this project, Absa had only a 12% compliance rate with fire safety regulations. They were unable to assess or establish their risk profile in real time, leaving the bank vulnerable to liability issues as well as reputational damage. This concern arose shortly after the bank had completed a rebranding effort that cost over R 1 billion, which could be jeopardized by any emerging risks.

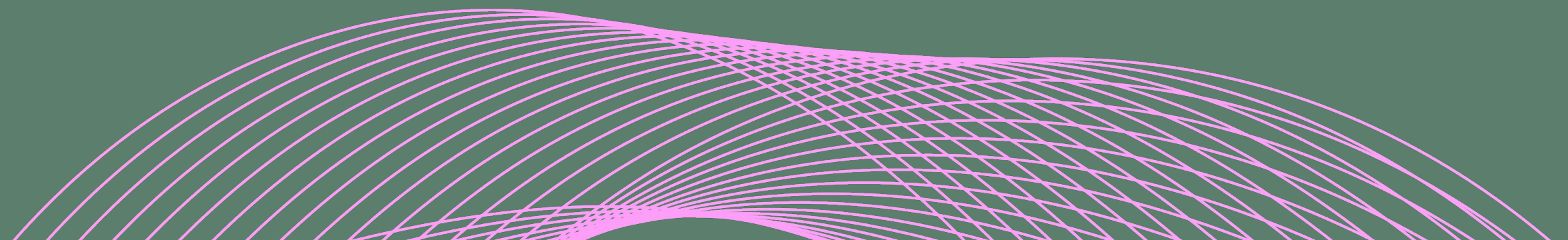
Traditional methods were employed, but it was estimated that the fire assessment process would take 36 months to complete an excessively long duration considering the bank's risk profile.

ACTIONS TAKEN

We established a customized audit team that enhanced the audit cadence without compromising output quality. This approach facilitated efficiencies by ensuring the right tools were used in the right roles.

Additionally, the digital recording process created a clear timestamp & record, making version control & data management immune to the human errors that often occur in such situations.

This also produced a raw record, which permitted independent auditing to verify the accuracy of our findings & recommendations.



BUSINESS BENEFITS

- 464 Sites Audited in one Calander year energy produced since June 2016
- Weighted Risk Profile, that allowed live Risk tracking in the field
- Fire recomnedations aligned with Compliance cost in real time, to manage budgetry expecaption through the audit process.

INFRASTRUCUTRE DOCUMENTATION

BUSINESS REQUIREMENT

Randwater needed precise and up-to-date documentation of their most critical infrastructure. The goal was not only to capture an accurate as-built record of the infrastructure but also to establish a digital repository of information that could be easily shared across silos and teams within the organization.

Additionally, it was essential to present this critical infrastructure to all stakeholders to foster understanding & respect for its nature & magnitude, ensuring compliance with moral standards of health & safety.

ACTIONS TAKEN

While we swiftly documented the essential basics of the infrastructure, we were able to process the data into various iterations for different silos.

This information processing occurred at different stages due to the complexity involved, but it enabled us to issue the first valuable set of built drawings within six weeks of the project's commencement.

BUSINESS BENEFITS

- Four sites audited in two weeks, establishing a baseline for the digital repository.
- Comprehensive MEP and build modelsmcreated for engineering purposes.
- Immersive virality model enabling digital tours & inspections while ensuring health & safety compliance.

TAKE CONTROLL

Your estate is huge and your staff compliment cannot cope with the work load.

We all see the leak, dark corridor, broken tile, blocked drain and we don't give it a second thought.

Dismiss Rumors – Deploy Results

Why not use the “Learning Asset”

Lets close the GAP

Let the general users take accountability and track the result

STOP guessing

Geo-tag, photo evidence, written and audio messaging

Live information

Useful snags earn ranks and voucher credits – bookstore rewards, refreshments, time with an industry expert, etc.

No lost information

Traceable information

Unique location identifier to within 9sqm

Information can be “pushed” to an existing FM system for ticket action

spotiT

snagiT

sortiT

Providing a safe environment that we can

LIVE
WORK
LEARN
&
PLAY

YOUR DORMENT ASSETS

EVERYONE HAS A MOBILE

EVERYONE CAPTURES THE MOMENT

DEPLOY NOT EMPLOY

BENEFIT FROM THE FOOT TRAFFIC

USE YOUR ASSETS

REAL TIME INFORMATION

BETTER USE OF YOUR EXPERTS & STAFF

MANAGING EXPECTATIONS

TREND MANAGEMENT



“Food for thought”

PROPERTIES & SERVICES
CANNOT PATROL A MULTI-
CAMPUS CITY. THOUSANDS OF
EYES CAN

SUSTAINABILITY TRANSFORMATION PRINCIPLES

- Consider all Asset classes [principal “P’s”]
- Sustainability is an umbrella deliverable & not a pillar
- Big is not always better – less is more
- Effectivity through simplicity
- Re-Image the spaces rather than new
- Use of AI & data to make better decisions
- Collaborative delivery focused initiatives
- Refresh the areas for more diverse consumption
- High impact, Lower cost initiatives
- Re-image the spaces

- Align brand & marketing to the new spaces
- Improves spaces for the resident, internally mobile & externally mobile users
- Make the campus feel as ONE SAFE ENVIRONMENT
- Consolidation & consumption of equipment in active exchanges
- Buy-in from student, staff & visitors
- More focus areas
- More adaptable spaces for alternative uses