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WY-TO GROUP WINS SINGAPORE'S FIRST C40 REINVENTING CITIES WITH NOVEL GREEN PLAN

"Good Food, Good Life" is a holistic place envisioning that anticipates challenges in our co-evolvement with the Planet

Helmed by Homestead Group Asia, WY-TO Group has won Singapore's first C40 Reinventing Cities Global Competition to repurpose the former Bukit Timah Fire Station into an open cultural community node. The winning proposal, "Good Food, Good Life", was worked on meticulously with an extensive Team that included Provolk Architects (Architect), Studio Lapis (Conservation Specialist), consultants including BSD (Environmental Engineers), Spectrum Structural Engineers (Structural Engineer), IEM Engineering Consultants (M&E Engineer), BKG Consultants (Quantity Surveyor), Land Design ONE (Landscape Architects), Shophouse & Co (Placemakers).

Modern capitalist short-term goals are reevaluated through the plan's advocacy for longevity in Prosperity with bottom-up initiatives in circularity and sustainability. Nestled within immediate proximity of Singapore's oldest and largest nature reserve - Bukit Timah Nature Reserve, the intuitively developed narrative informed the resultant concept of the Virtuous Food Cycle. This concept contextually addresses environmental concerns such as energy efficiency and low carbon energy, biodiversity and urban re-vegetation of the 10 Climate Challenges from the C40 Reinventing Cities. The gazetted fire station will reopen to strengthen the bond of the Planet, People and Heritage.



Aerial view of the refreshed Bukit Timah Fire Station with "Good Food, Good Life" in place.

Building on its existing architectural heritage, WY-TO Group is confident that their place visioning strategy for the new kindred-friendly recreational will contribute toward enhancing Singapore's cultural identity and motivating collective action toward achieving her "30-by-30" independent food production plan by 2030. Each planned intervention aligns with the country's Green Plan goal of "City in Nature" to cumulate a compound programming that embeds strong restorative, circularity and sustainability elements and contributes toward the global Sustainable Development Goals, a blueprint for peace and prosperity for people and the planet, now and into the future, set by the United Nations (UN). Accounted as a forethought, the refreshed car-life environment within will encourage slow mobility for a more conscious way of moving and appreciation of the surrounding natural scape.



Holistic envisioning interventions that target to elevate liveability when the former fire station reopens



Nature's Nod to the Heritage

The envisioning plan considers its existing integration as part of the Bukit Timah Nature Reserve's thriving wild fauna and flora ecosystem of 1,000 flowering and plant types and over 500 species of wildlife. Future on-site programmes look toward attaining harmonious co-existence with the present wildlife in planned informative education. In addition to careful restoration architectural work, WY-TO Group has layered an enriching cultural visitor experience that is interpretively designed by research from Conservation Specialist, Studio Lapis. This experiential journey will reflect the latent value of the community history while connecting at a macro scale with other key heritage icons, Ford Factory and Bukit Timah Memorial within close proximity. Different communicative and artistic mediums such as archival materials and murals will be purposefully and sensitively utilized for the multi-ethnicity local community to narrate their belonging.

A Circular Community

Circularity is echoed throughout the programming approaches to begin the lifestyle pivot in sustainable behaviours within the currently underutilized 8,264sqm compound. Varying contextually conceptualized programmes target different perspectives to cultivate belonging, educate on responsible resource usage, and respect for nature's biodiversity from macro to micro stakeholders. The communicating vessel is drawn from Singaporeans' common passion for food. In aligning the narrative to the agriculture chain on our plates, the programming whips up a palatable and digestible circular economy education for enduring benefits. "They complement one another

systemically to introduce strong restorative and sustainability links, thereby connecting them all in achieving 1 common goal and promoting inclusivity", WY-TO Group's Managing Director, Founder and Head-of-Design of WY-TO Singapore, Yann Follain shares.

SEEDING GROWTH

FERTILE SOIL

FOOD
CYCLE

ORGANIC
FERTILIZER

WASTE
MANAGEMENT

CONSUMPTION

Circular programmes draw inspiration from food cycle.

Potential tenants also follow the same circularity intention of the project. "Each tenant will assist another in one way or the other. We believe that in order for the place to truly be circular, it has to start internally", Yann comments.

Therefore, the curation of each tenant widens to include how they may complement individually, beyond their profitability. This roots in the Kampung Spirit, a fundamental neighbourliness aspect that was extremely prominent during Singapore's founding years. "It is very clear that by uplifting one another, everyone can enjoy sustained and greater economies of returns," Yann concludes.



Inclusive outdoor spaces in year-long tropical environment for all to enjoy



Design for The People

The plan is further informed by Singapore's first cultural inscription on the UNESCO Representative List of the Intangible Cultural Heritage of Humanity, the Hawker Culture. The unique interpretation of community-led placemaking that integrates food defined the multi-layered programming parameters of the 4-step ground-up "Communi-trail" was conceived. Visitors will learn about the food production chain, food and waste circularity, guided by the pillars of Initiate, Transform, Share, and Recover, while complementing Singapore's top-down intensification of Agrotechnology.

Continuing Good Food Good Life's **community-focused gesture**, **well-curated common spaces** in the year-long tropical climate are specifically allocated for locally-owned businesses. They function to **enable progression** and **enhance Singapore's unique multi-ethnicity vibrancy through people-led initiatives** such as pop-ups, exchanges and more. Open and dynamic, activations and programmes are planned to encourage an **inclusive environment for equity in experiences**.



Diverse and complementary dining options, reflective of Singapore's first cultural inscription on the UNESCO Representative List of the Intangible Cultural Heritage of Humanity, the Hawker Culture



Open and Dynamic Events Piazza with vertical greenery façade

Green Scheme Solutions

In ensuring that the **refreshed 70-year-old monument is climatically relevant**, strategies root to minimize carbon stress and work toward the goal of net-zero emissions. The Environmental Specialists on-board ensure that all **proposed design interventions meet Singapore's Building and Construction Authority (BCA)'s green building rating system**, locally known as the Green Mark Certification Scheme.

Design strategies are approached to place focus on retaining the building's heritage integrity. In translating this intangible and valuable aspect, the green formula centres passively to transform them into measurable steps for Green Mark Platinum Zero Energy Certification, one of the highest accolades in the Singapore Green Marks Certification.



For instance, architecturally, the **retro-fitted barracks will incorporate non-intrusive cladding**, on which plants and vines will climb. This technique **addresses tropical environmental concerns** from the sun's heat and radiation while preserving the original facade skin. Solar panels are **strategically placed above the carpark lots** to harness the year-long sun's energy without disrupting the **experiential rich journey and placemaking**.

Devised to support from the ground-up level, a Green Lease will be the foundation of attracting similar-minded business owners and tenants. Within the actionable guide, owners are equipped with the means to enable long-haul benefits. Eg. the adoption of environmentally-friendly fittings and fixtures.

Combined, the top-down and bottom-up strategies perform in parallel to systemically fuel the project's circular ambition.

A pioneer of its kind in Singapore, the place visioning and programming of "Good Food, Good Life" is representative of how the future built environment plans can be shaped contextually to enhance the unique identity while achieving sustainable economies of returns. The project roots in a human-centric framework that instinctively lay out holistic ways of approach throughout every phase. In transforming the use of space, the purpose still aligns with the founding intention of serving The People.



About C40 Reinventing Cities Global Competition: Initiated by the C40 Cities Climate Leadership Group and made possible thanks to the support of Climate KIC, Reinventing Cities is a global competition that seeks to transform underutilized sites through sustainable and community-focused projects to drive decarbonised and resilient urban regeneration.

About WY-TO Group: Guided by our philosophy, "Design with A Cause", WY-TO Group goes beyond to create valued experiences through urban landscapes, visual communication, exhibition spaces, cultural curation and heritage conservation. The fundamental basis to consciously design for The People and The Planet has propelled our full-service endeavours and inspired our Partners all over Europe and Asia. We design, innovate and pioneer solutions with the vision to influence behaviour and build an inclusive atmosphere for a resilient future. It is with this purpose that our Team is committed to advocating for transformative techniques that reduce carbon emissions and fight climate change. Dedicated to our cause, we frequently participate in opportunities on social initiatives and nurture the next generation of empathic designers. The combined desire for a sustainable world has informed our methodologies and collaborative spirit. Our tailor-fit formulas both meet needs and respect the natural context to promote green energy. Committed to enriching lives in our interventions, our sights are set to collaborate on the mitigation of societal global challenges in urbanism and the Built Environment.

We believe that empathetic and honest long-lasting design solutions are possible without undermining relevant needs in large cityscapes and other less urbanised contexts

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