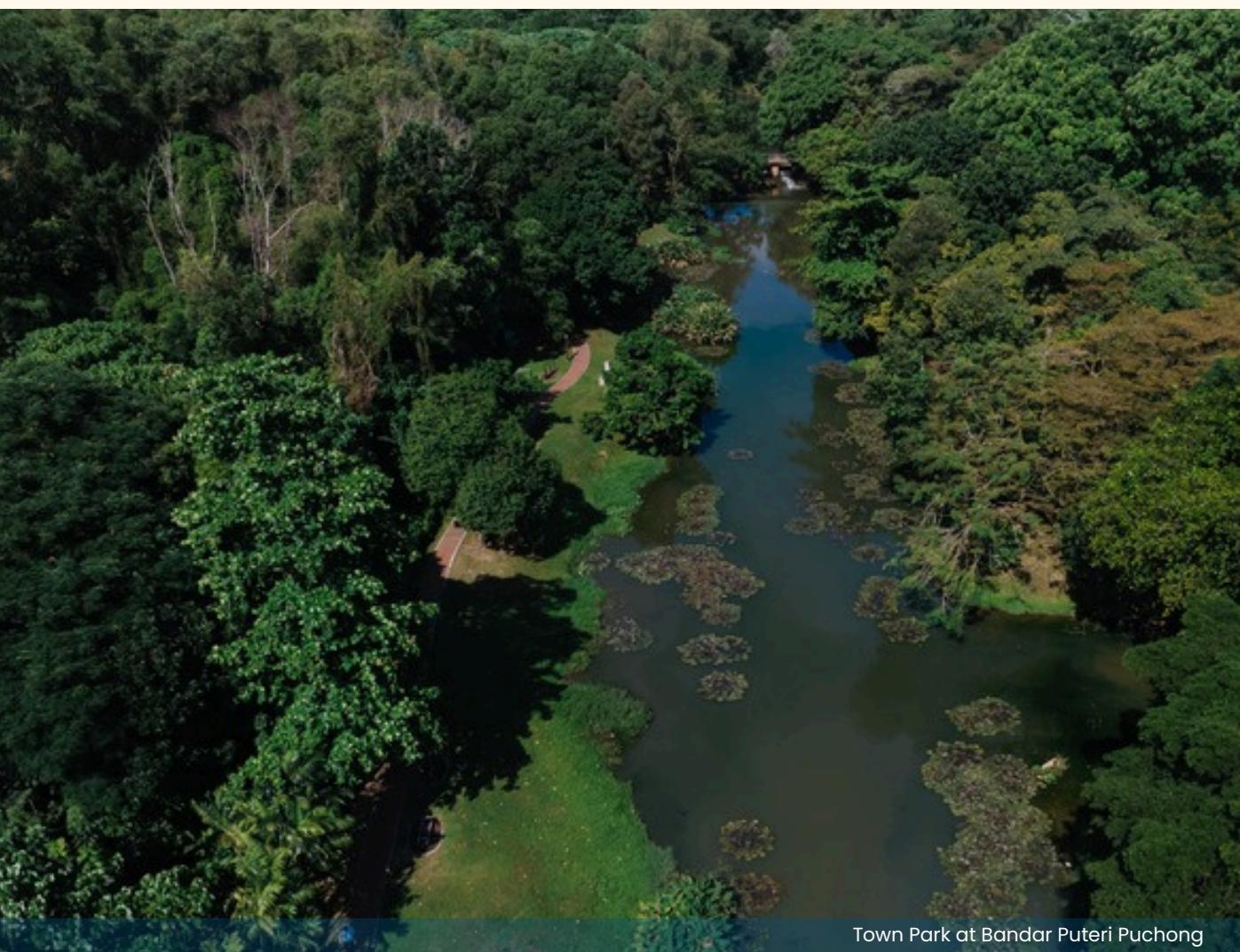


Appreciate Biodiversity: IOIPG Thriving Urban Ecosystems



Town Park at Bandar Puteri Puchong

Knowledge Partner:





Tree Planting at 16 Sierra

Protecting our most precious

For decades, IOIPG has played a role in creating urban parks that has transformed into urban wilderness across its developments.



Grey Heron at Central Park, IOI Resort City

Who We Are

Industry: Property Development

Founded: 2007

Headquarters: IOI City Tower 2, IOI
Resort City, 62502 Putrajaya,
Malaysia

Employees: 3426

IOI Properties Group Berhad (IOIPG) is a leading property developers, with a diverse portfolio across Malaysia, Singapore, and China. Guided by the IOI Sustain Roadmap 2030, the Group integrates sustainability into its developments through a focus on climate action, resource efficiency, green infrastructure, community well-being, and biodiversity.

Across IOIPG's township developments, commercial assets, parks, and urban landscapes, the Group's approach to sustainability seeks to balance economic growth with environmental stewardship. Through nature-based solutions and ecological design, IOIPG aims to create thriving environments where biodiversity, ecosystems, and communities coexist.

Sustainability Vision

Nature at the Heart of Development

IOIPG envisions urban spaces that sustain life, where natural ecosystems are preserved, enhanced, and reconnected through thoughtful planning and design.

1. Protect Natural Systems

Safeguard biodiversity and ecosystems within and around IOIPG developments, ensuring long-term ecological resilience.

2. Restore & Enhance Habitats

Rehabilitate degraded areas, expand green-blue networks, and increase ecological value within urban environments.

3. Connect People & Nature

Create accessible, educational, and inclusive natural spaces that strengthen community well-being and appreciation for biodiversity.

This vision underpins the 12 strategies of IOI Sustain Roadmap 2030 and supports Malaysia's environmental agenda, the UN SDGs, and IOIPG's objective to promote sustainable urban living.

Opportunity

The Role of Biodiversity in Cities

As cities expand, the challenge is not only to build, but to build in ways that allow nature to flourish alongside communities.

IOIPG sees biodiversity as an opportunity to create places where people and ecosystems thrive together. Through the integration of green-blue infrastructure, urban parks, native landscaping, and community-led initiatives such as the City Nature Challenge (CNC), IOIPG is reimagining townships as living ecosystems.

These efforts reflect IOIPG's aspiration to be a nature-positive developer, shaping developments that are inclusive of both people and the natural world.

Strategic Objectives

1. Habitat Conservation & Enhancement

Preserve and improve ecosystems across all developments, including wetlands, lakes, riparian zones, and green corridors.

2. Nature-Based Solutions & Ecological Design

Integrate natural systems into the built environment to improve climate resilience, reduce flood risk, and enhance liveability.

3. Community Engagement & Environmental Awareness

Strengthen public participation through citizen-science programmes, guided nature activities, and educational initiatives.

4. Monitoring, Reporting & Transparency

Establish biodiversity indicators and integrate ecosystem performance into IOIPG's sustainability reporting frameworks.

Challenges and Mitigation Measures

A key challenge for IOIPG is maintaining greenery and naturalised landscapes after developments are handed over to third parties. This is addressed by integrating biodiversity considerations early in the planning and design stages, including landscape intent, plant selection, and ecological features, to provide a clear framework for long-term management. Continued engagement with asset managers and relevant stakeholders further supports consistent upkeep of green spaces.

Another challenge is strengthening public understanding and appreciation of biodiversity within urban environments. IOIPG responds through ongoing public education and community programmes, including citizen science initiatives, which encourage residents and visitors to engage with local flora and fauna and foster shared responsibility for urban nature.

Ensuring the long-term functionality of naturalised landscapes also requires appropriate ecological expertise. To support this, IOIPG works with ecological specialists, NGOs, and local authorities to inform planning and management approaches, helping to maintain ecosystem functions and apply sound ecological practices over time.

Key Interventions Implemented

A. Urban Parks & Nature-Based Developments

IOIPG integrates blue-green infrastructure such as lakes, wetlands and natural drainage across its townships to support biodiversity, enhance ecosystems, and strengthen urban water management.



IOI Kulai Bio-Valley

IOI Kulai Bio-Valley is a wetland-focused development that integrates native planting, habitat connectivity, and water-sensitive design to support biodiversity, enhance flood mitigation, regulate climate, store carbon, and provide nature-based recreation and education opportunities.

Central Park at IOI Resort City

Central Park at IOI Resort City is a major green space that integrates landscaped and naturalised habitats with native and threatened species, enhancing water retention, flood control, and microclimate regulation while supporting recreation and community activities.



Oasis Park at Bandar Puteri Bangi

A lake-centered, wetland-inspired park with boardwalks and viewing decks that support aquatic species and strengthen biodiversity corridors. Blue-Green Infrastructure features improve water quality, mitigate flooding, and contribute to healthier urban ecosystems.



Town Park at Bandar Puteri Puchong

An urban nature sanctuary integrating landscaped and naturalized habitats. Lakes, wetlands, and natural drainage deliver water infiltration, climate regulation, and carbon sequestration, while trails, boardwalks, and fitness areas encourage recreation and environmental appreciation.

Central Park at 16 Sierra

A multifunctional township park with lawns, playgrounds, sports courts, and walking paths. Bioswales, rain gardens, and natural drainage systems enhance biodiversity, support ecosystem services, and provide spaces for learning and outdoor activity.



References : IOIPG 2025 Sustainability Report | Pg. 73 - 76

B. Citizen Science & Community Programmes

The IOIPG City Nature Challenge (CNC) is a long-standing biodiversity initiative supported since 2018. Held annually, the programme encourages residents and visitors to document urban flora and fauna using the iNaturalist app. This community-led effort contributes valuable ecological data, supports environmental monitoring and planning, and fosters greater awareness and appreciation of nature within IOIPG townships.

Impact Highlights:

- **15,567 observations recorded** since inception, identifying **4,568 species across Malaysia, Singapore, and Xiamen, PRC.**
- Demonstrates IOIPG's commitment to environmental stewardship, citizen science, and community-led conservation.
- Community garden initiatives established at township developments in Kempas Utama, IOI Resort City, and 16 Sierra, encouraging hands-on planting and everyday engagement with nature.

References : IOIPG City Nature Challenge

C. Native Species Landscaping

IOIPG incorporates native and climate-resilient species across its townships to enhance pollination, habitat creation, and soil health. Through its landscaping practices, IOIPG plants species that support birds, butterflies, insects, and other urban wildlife, contributing to healthier and more biodiverse neighbourhoods.

12,206 trees planted across IOIPG townships
Includes **683 transplanted trees***

1,270 native species planted*
Supports local habitats & ecosystem resilience

1,804 IUCN Red List species planted *
Contributes to urban biodiversity
conservation

- *Hopea odorata* (Vulnerable)
- *Swietenia macrophylla* (Endangered)
- *Alstonia angustifolia* (Endangered)
- *Dalbergia latifolia* (Vulnerable)
- *Eugenia grandis* (Endangered)
- *Eucalyptus deglupta* (Vulnerable)

*Figures presented are based on data compiled over the 2023–2025 period.

Together, these initiatives reflect IOIPG's commitment to enhancing biodiversity, restoring habitats, and protecting threatened species. With over 12,000 trees planted in three years, the Group shows clear progress in supporting healthier urban ecosystems for future generations.

D. Collaboration & Partnerships

IOIPG recognises that effective biodiversity management requires collaboration beyond the organisation. Through partnerships with non-governmental organisations such as the Society of Wilderness Malaysia, Sekitar Kita, Water Warriors UM, and Iskandar Malaysia CNC, as well as engagement with local authorities and environmental experts, IOIPG strengthens its biodiversity planning and implementation processes.

These partnerships provide valuable technical insights, support biodiversity assessments and community programmes, and help inform the design and management of green and naturalised spaces within developments. Engagement with local authorities also supports alignment with regulatory requirements and local environmental priorities. Together, these collaborative efforts contribute to the application of sound ecological practices and continuous improvement in how biodiversity considerations are integrated across IOIPG's developments.

Enablers for Sustainability

IOIPG's journey in biodiversity initiatives is supported by:



Leadership & Culture

Leadership commitment promotes a stewardship mindset across the Group, reinforcing biodiversity as a shared responsibility embedded within organisational culture and day-to-day decision-making.



Process

Biodiversity considerations are embedded into landscape planning and guidelines, as well as environmental management processes to ensure consistent implementation across developments and operations.



Partnership & Stakeholder Engagement

Engagement with communities, authorities, customers, NGOs, and conservation partners enables shared ownership of biodiversity outcomes and strengthens collaborative impact.



Strategy

Biodiversity initiatives are aligned with the Group's long-term sustainability strategy, integrating nature-positive outcomes into landscape planning, asset management, and placemaking objectives.



ESG Data

Citizen science initiatives, ecological assessments, and monitoring programmes provide data-driven insights on species diversity and ecosystem health for performance tracking.



Governance

Oversight by the Sustainability Steering Committee ensures biodiversity initiatives remain aligned with corporate objectives, supported by clear accountability and regular performance reviews.



Resources

Long-term financial and operational planning supports the maintenance of parks, green spaces, and nature-based solutions, ensuring durability and effectiveness of biodiversity investments.



Supply Chain & Procurements

Biodiversity requirements are embedded within procurement processes, with a focus on engaging local suppliers and ensuring on-site contractors and consultants comply with environmental and biodiversity standards.



Digital Transformation

Digital tools and GIS mapping enhance ecological tracking, landscape planning, and performance evaluation, strengthening biodiversity management outcomes.



People

Capacity building through training programmes and community participation initiatives empowers employees, contractors, and residents to adopt biodiversity best practices and support long-term conservation efforts.

Alignment with UNGC

Principle 7 Precautionary environmental approach

Principle 8 Promote environmental responsibility

Principle 9 Encourage environmentally friendly technologies

Impact

Ecological Impact

Urban parks, wetlands, and green corridors across IOIPG developments now support a diverse range of plant, bird, insect, and aquatic species. Habitat quality and connectivity have been strengthened, contributing to ecological resilience within urban environments.



Alignment with UN SDGs



Supporting healthier communities by expanding access to nature, improving liveability, and encouraging outdoor activities in biodiverse green spaces.



Creating liveable, resilient urban environments that integrate nature and green spaces, with sustainable design.



Strengthening climate resilience through blue-green infrastructure, nature-based solutions.



Maintaining healthy wetland, lake, and waterway ecosystems across IOIPG developments, which indirectly support aquatic life and overall ecological balance.



Safeguarding terrestrial habitats and promoting biodiversity through native species landscaping.

Social Impact

Community engagement initiatives have significantly increased public awareness and appreciation of biodiversity. Access to nature-rich environments enhances quality of life, encourages outdoor activity, and contributes positively to both physical and mental well-being.



Climate and Environmental Impact

Blue-green infrastructure improves water retention, mitigates flood risks, reduces urban heat stress, and enhances carbon sequestration through native vegetation. These nature-based solutions strengthen climate resilience for both communities and ecosystems.

Looking Ahead

Over the past three years, IOIPG has made measurable progress in enhancing urban biodiversity across its townships. More than 12,000 trees have been planted or transplanted, including over 1,270 native species and 1,800 IUCN Red List species, while community-led programmes such as the City Nature Challenge and township community gardens have strengthened engagement and environmental awareness. Key enablers include early integration of biodiversity considerations in planning, collaboration with ecological experts and NGOs, and active participation from residents and stakeholders.

Building on these achievements, IOIPG will continue to embed biodiversity as a core element of sustainable urban development. Future initiatives will focus on expanding native species planting, enhancing ecosystem connectivity, scaling community engagement programmes, and improving biodiversity monitoring and disclosure. By maintaining these efforts, IOIPG aims to support healthy ecosystems, thriving urban biodiversity, and vibrant communities for generations to come.

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**APPRECIATE BIODIVERSITY:
IOIPG THRIVING URBAN ECOSYSTEMS**