

## **PEGRAS Unveils World's First Scalable Microfibre Removal System: A Milestone in Water Purification**

11 December 2023, Sydney, Australia

In a landmark development for environmental technology, **PEGRAS**, a pioneering company in ecological solutions, has introduced the world's first scalable Microfibre removal system. This cutting-edge system, engineered to efficiently remove harmful Microfibres from water flows, utilises an evolutionary binding agent and a distinctive in-line and continuous extraction process. This breakthrough represents a significant advancement in combating water pollution and preserving aquatic ecosystems.

### **The Microfibre Challenge**

Microfibres, minuscule synthetic fibres shed from textiles, have emerged as a formidable environmental hazard. These tiny pollutants, often undetectable to the naked eye, have infiltrated oceans, rivers, and even drinking water sources, posing risks to marine life and human health. Traditional water treatment methods have fallen short in capturing these particles, underscoring the need for more efficient technologies.

### **PEGRAS's Revolutionary Approach**

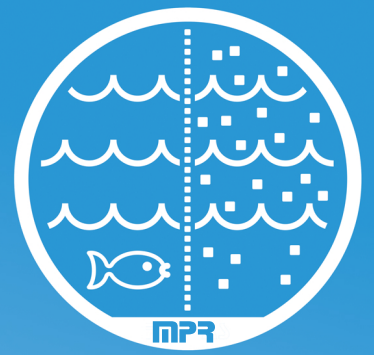
PEGRAS's Microfibre removal system is the result of extensive research and development. It utilises an evolutionary binding agent and a distinctive in-line and continuous extraction process. This innovative approach significantly enhances the effectiveness of existing filtration systems, offering a practical solution to a global problem.

### **Scalability: A Key Feature**

A standout feature of PEGRAS's system is its scalability. Engineered for easy integration into current water treatment infrastructures, it can be tailored to various scales, from small community facilities to large metropolitan treatment plants. This versatility ensures that the system can be deployed worldwide, addressing diverse environmental conditions and needs.

### **Environmental and Health Impacts**

The introduction of this system by PEGRAS marks a major stride in environmental protection. By efficiently removing Microfibres from water bodies, it safeguards aquatic ecosystems and species that are often harmed by ingesting these pollutants. Moreover, it contributes to public health by enhancing the purity of drinking water, mitigating the risks associated with Microfibre contamination.



## Economic Advantages

PEGRAS has not only achieved an environmental breakthrough but also ensured the economic feasibility of its system. By augmenting existing water treatment setups, the need for expensive overhauls is eliminated. The system's low operational and maintenance costs further enhance its attractiveness to both public and private sector entities.

## Paving the Way for a Cleaner Future

PEGRAS's Microfibre removal system is more than a technological achievement; it symbolizes a commitment to a cleaner, safer environment. In an era where ecological challenges are ever-present, this innovation offers a practical and hopeful path forward, merging scientific excellence with real-world application.

## Future Prospects

Looking to the future, PEGRAS is exploring ways to not only remove but also recycle the extracted Microfibres, reinforcing its dedication to sustainable practices. As global awareness of environmental stewardship grows, PEGRAS's system stands as a testament to the power of human innovation in safeguarding our planet's most vital resource.

---

For additional details on this pioneering technology and its implementation, please contact PEGRAS: [innovations@pegras.com](mailto:innovations@pegras.com)

