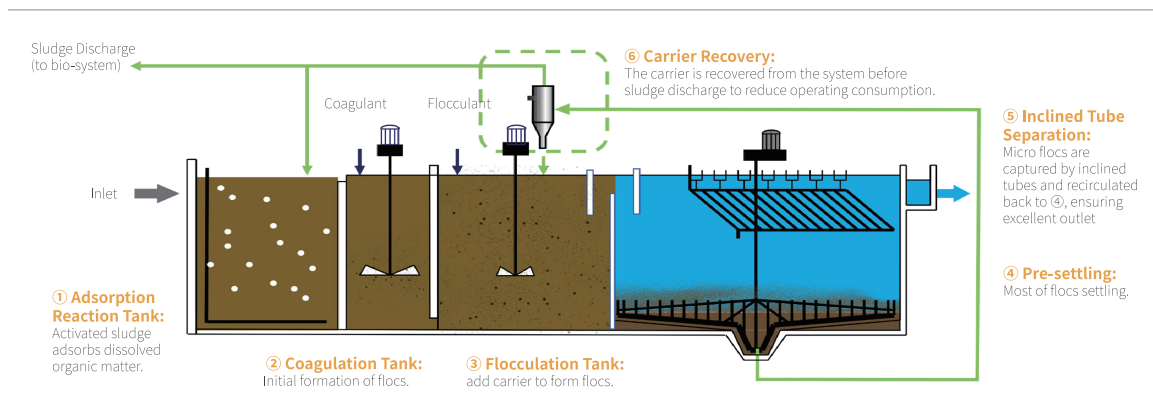




## Integrated Multi-Effect Clarification

### Flocculation Carrier, Modular Multi-effect Clarification and Separation Process

KeyCla™ Multi-Effect Clarification Technology, “Key-Clarification” is based on advanced & reliable high-efficiency separation technology. Through R&D breakthroughs in key technologies such as Flocculation Carrier, Carrier Recovery and Efficiency Improvement, it has become a new generation clarification technology characterized by high-efficiency and rapid separation, plug-and-play, as well as small footprint, low cost and convenient operation.



### KEYCLA Innovations



#### Excellent Reliable & Economical Carrier: Mineral Sand

Excellent Performance: High hardness, large gravity, chemically stable  
Excellent Sources: Industrial product, High standardization, stable quality  
Excellent Outlet Quality: Rapid separation, no secondary pollution  
Excellent Cost Saving: Simple & efficient recovery, high cost-effectiveness



#### Simple & Efficient Carrier Recovery :

Recovery rate > 99%  
Built-in pre-flocculation improves efficiency & saves chemical consumption

### KEYCLA Strengths

**Extreme Treatment Performance:**

Turbidity < 1 NTU, SS < 5 mg/L, TP < 0.2 mg/L, F<sup>-</sup> < 1 mg/L; \*

**Rapid High-Speed Separation:**

Rise Rate can reach 20–60 m/h, HRT < 10 min; \*

**High Fluctuation Tolerance:**

Influent SS tolerance 100–5000 mg/L, with stable effluent < 10mg/L;

**Minimal Footprint & Investment:**

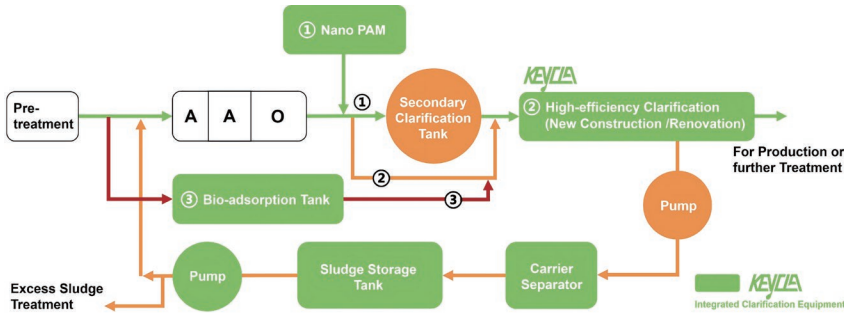
Footprint 40% smaller than traditional high-efficiency clarifiers;

**Plug-and-Play Equipment:**

Standardized **Modular** Design, Fast Deployment, **Plug & Play**.



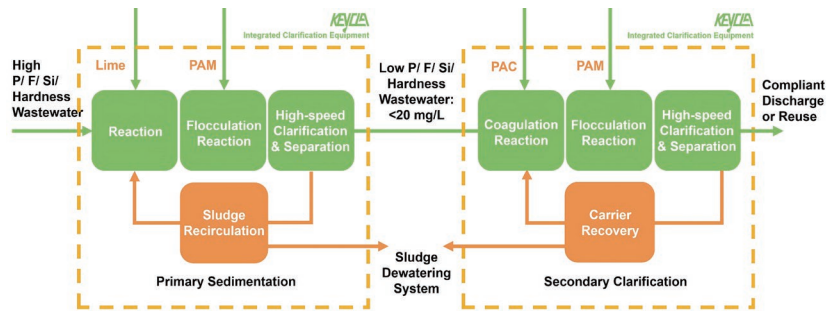
## High-Efficiency Expansion & Upgrade for Existing



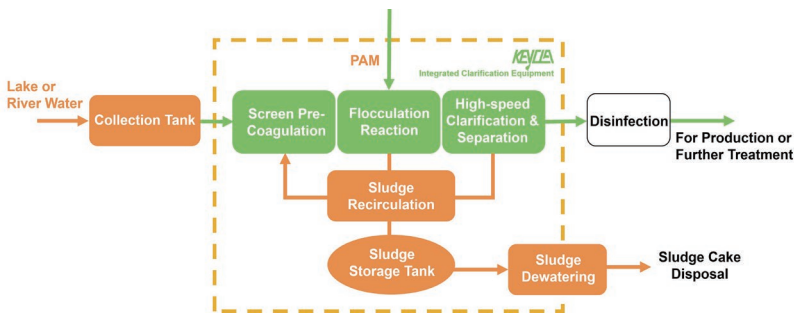
By using a Plug-and-Play Wastewater Treatment Equipment, rapidly improves effluent quality to ensure discharge compliance. The most efficient option of Expansion & Upgrade

## Maximizing Removal of Hardness, Phosphorous, Silica & Fluoride

To difficult-to-treatment pollutants such as F, Si, P, KeyCla offers high removal efficiency and exceptional effluent quality, effectively resolving the discharge compliance challenges.



## Fast-track for Water Supply, A One-Stop Solution for water



As a rapid water demand solution, featuring a clarification as core, KeyCla provides a stable and reliable water supply system.

## KEYCLA Industries



Mine / Mining Industry



Coal Chemical Industry



Iron & Steel Industry



Recirculating Cooling Water



Fine Chemical Industry



Textile Printing & Dyeing



Construction Wastewater



Emergency Treatment

## KEYCLA Products



**Containerized**  
(Capacity: 20-400 m<sup>3</sup>/h)



**Skid-mounted**  
(Capacity: 20-400 m<sup>3</sup>/h)



**Structure-built**  
(Capacity: 300-2500 m<sup>3</sup>/h)



**Steel-framed**  
(Capacity: 300-1500 m<sup>3</sup>/h)



**Mini type**  
(Capacity: 10-20 m<sup>3</sup>/h)



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