**Technology Overview**

- Linpor process is activated sludge process that immobilization carriers in a reactor enables **efficient wastewater treatment**.
- Space-saving: Carriers can reduce the footprint of a reactor.
- No clogging: A carrier separator has the enough mesh size.
- High durability: A carrier has good wear resistance.

**Major devices**

- Carrier: 12mm × 12mm × 15mm
- Carrier of 15 year old and carrier separator
- Carrier return pump
LINPOR process requires no additional reactor or final settling tank and still shows better treatment performance than conventional activated sludge process.

Scope of Application:
Conventional activated sludge process

Circulation of nitrified liquor and return of carrier

Primary effluent

Circulation of nitrified liquor and return of carrier

Return sludge

Final settling tank

Effluent

Excess sludge
Carrier Added Activated Sludge Process (LINPOR Process)

Carriers have highly-concentrated nitrifier/denitrifier can enhance nitrification/denitrification.

**Scopes of Application:** modified Ludzack-Ettinger process, A2O Process

**Applicable to nutrients removal**

![Diagram](image)