EDI vs Mixed Bed DI — Decision Matrix (1-Page)

• Feed RO permeate quality baseline: conductivity < 20 µS/cm, silica < 1 mg/L, hardness < 0.1 mg/L as CaCO3.

• Choose EDI when continuous operation, low chemical footprint, and conductivity 0.1–0.5 µS/cm targets.

• Choose Mixed Bed DI when intermittent operation, very low capital, or sub-0.1 µS/cm needed occasionally.

• Sizing snapshot: EDI modules by amperage and gpm; MB DI by resin volume and exhaustion frequency.

• OPEX view: EDI (kWh + CO2) vs MB (acid/caustic + labor + neutralization).

Links:

Article: EDI vs Mixed Bed DI: https://stark-water.com/edi-vs-mixed-bed-di/

Industrial DI Water System (context): https://stark-water.com/industrial-di-water-system/

Request a Quote: https://stark-water.com/request-a-quote/