



Arab Hellenic Chamber of Commerce

November 2024



GHASSAN EJJEH

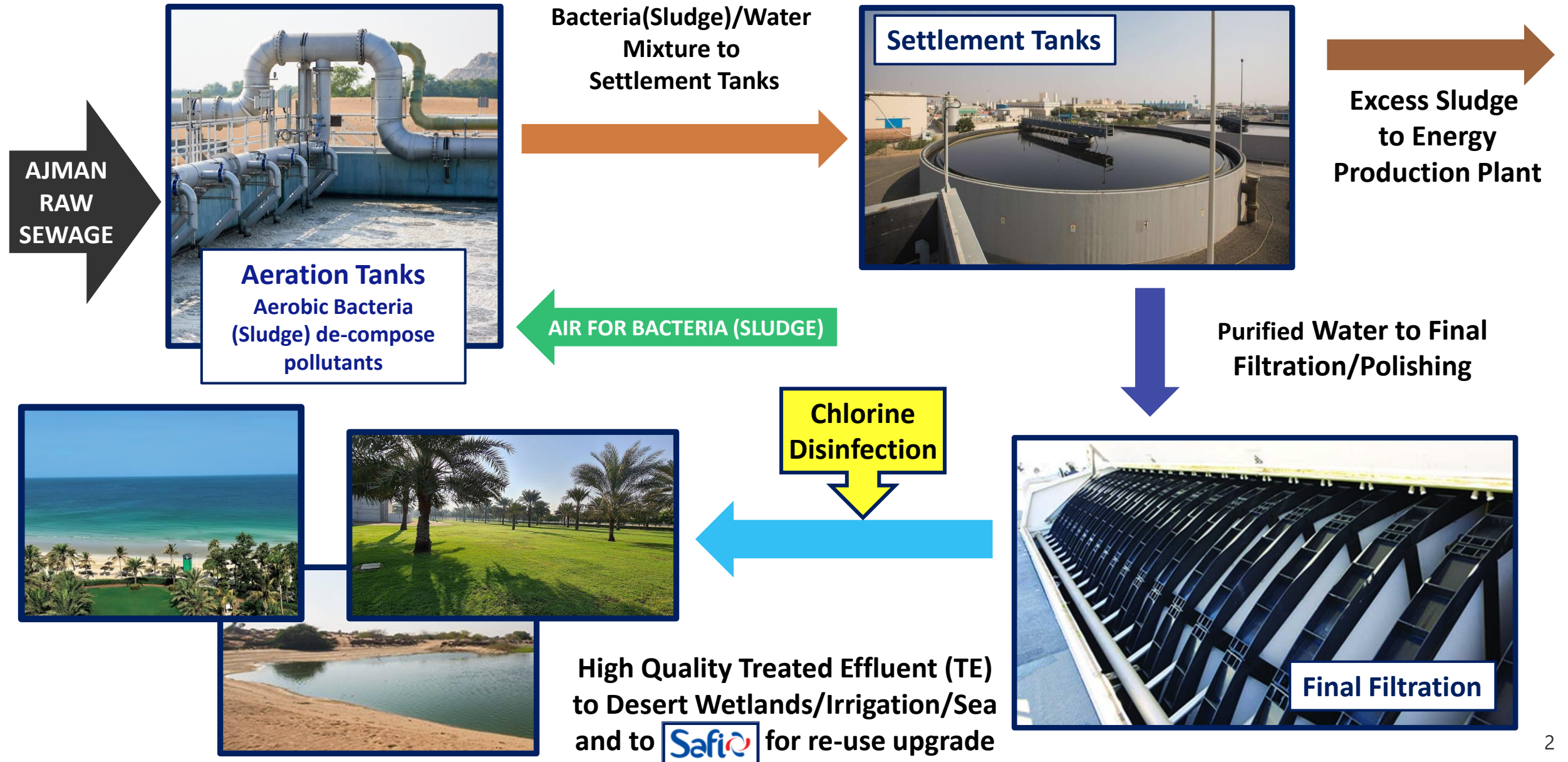
*Senior Vice President BESIX – Past Director IDRA
Vice President ABL Chamber of Commerce*



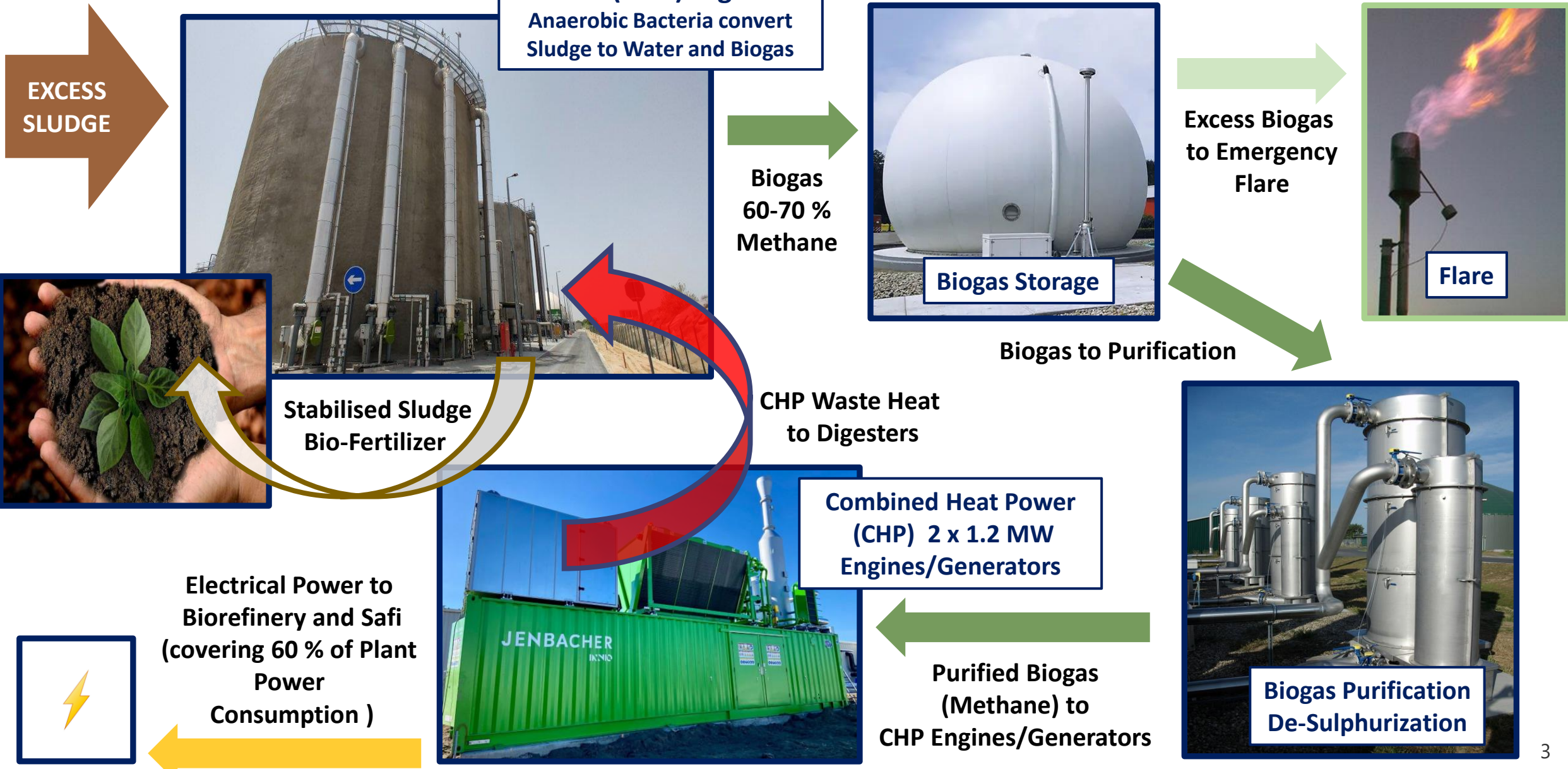
AJMAN BIO-REFINERY & SAFI

SUSTAINABLE SEWAGE TREATMENT AND WATER REUSE

AJMAN BIO-REFINERY: WASTEWATER TREATMENT – 160,000 m³/ day



AJMAN BIO-REFINERY: SUSTAINABLE ENERGY PRODUCTION



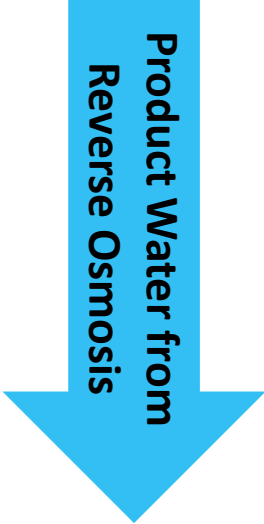
AJMAN TREATED EFFLUENT (TE) RE-USE:



AJMAN TREATED EFFLUENT (TE) RE-USE:



Product Water Pumping Station



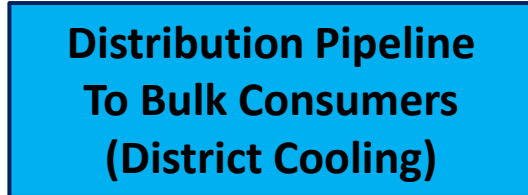
Product Water from Reverse Osmosis



Tanker Filling Station



Product Water Storage Tank



Distribution Pipeline To Bulk Consumers (District Cooling)

AJMAN TREATED EFFLUENT (TE) RE-USE:



PARAMETER	UNIT	SAFI Recycled Water	Bottled Water
Appearance	-	Clear Liquid	Clear Liquid
Calcium	mg/l	< 1	15
Chloride	mg/l	28	23
Sodium	mg/l	39	4
Bi-Carbonates	mg/l	66	27
Magnesium	mg/l	< 1	8
Sulphate	mg/l	< 1	23
Potassium	mg/l	2	11
Fluoride	mg/l	< 0.1	< 0.1
Nitrate	mg/l	< 0.1	< 0.1
TDS	mg/l	115	118
pH	-	7.3	7.7





SAFI RECYCLED WATER MEETS STRINGENT POTABLE WATER STANDARDS !

THANK YOU

T: +971 (0) 6 714 8888
F: +971 (0) 6 714 8889
info@ajmansewerage.ae
www.ajmansewerage.ae

Ajman Sewerage (Private) Company Limited
Al Zahra Building
Mohammed Salem Bu Khamis Street
Liwara 1, Ajman, UAE

