

Atmospheric Drainage System of Sanitary, Oil & Gas, and Industrial Process Plants

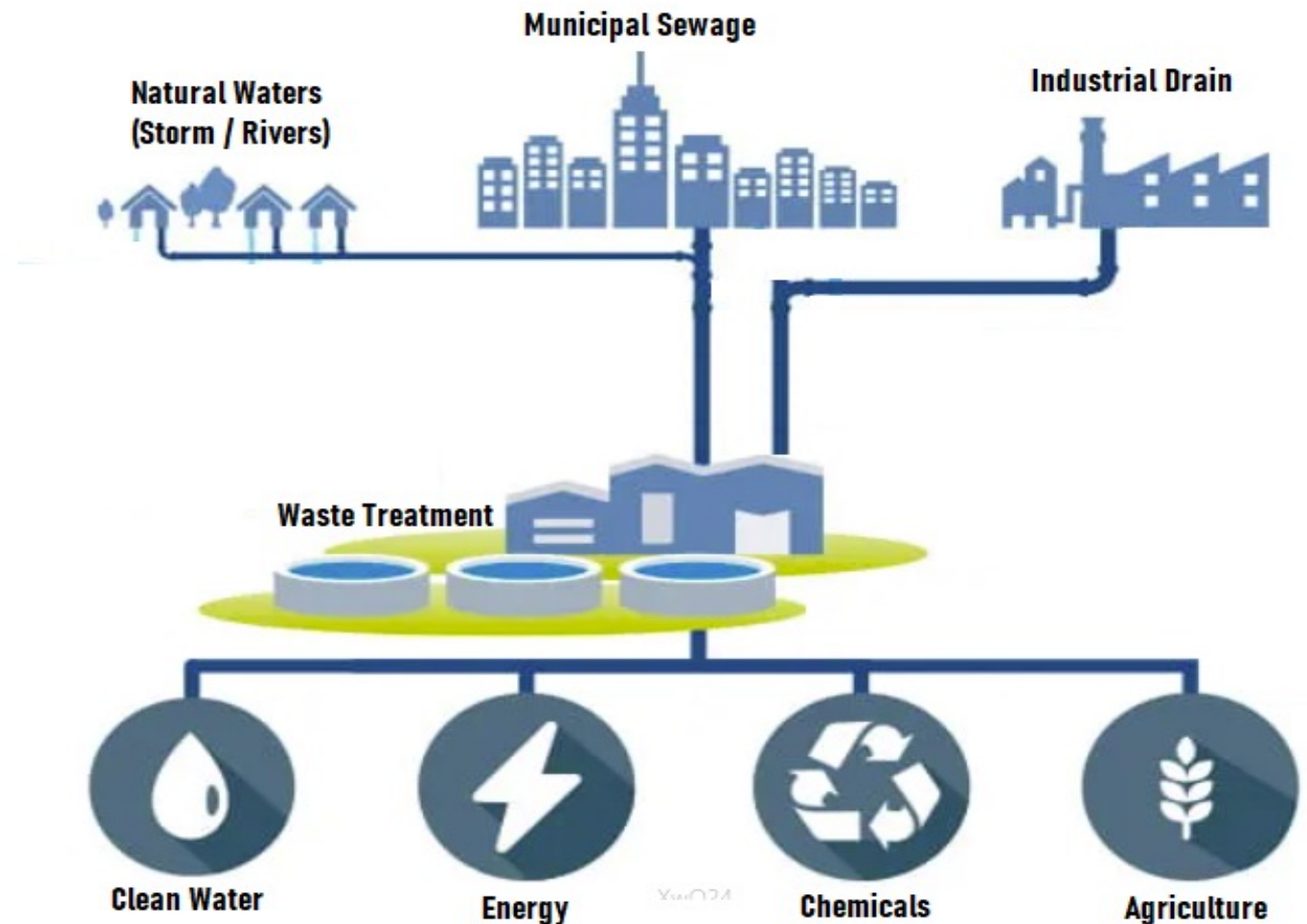
Enhance Safe Collection of Industrial Drains

Recover and Recycle all resources from wastewater for better future

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Chairman | Plumbing & Utilities Standard Committee
CONSULTING SERVICES DEPARTMENT

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saudi aramco



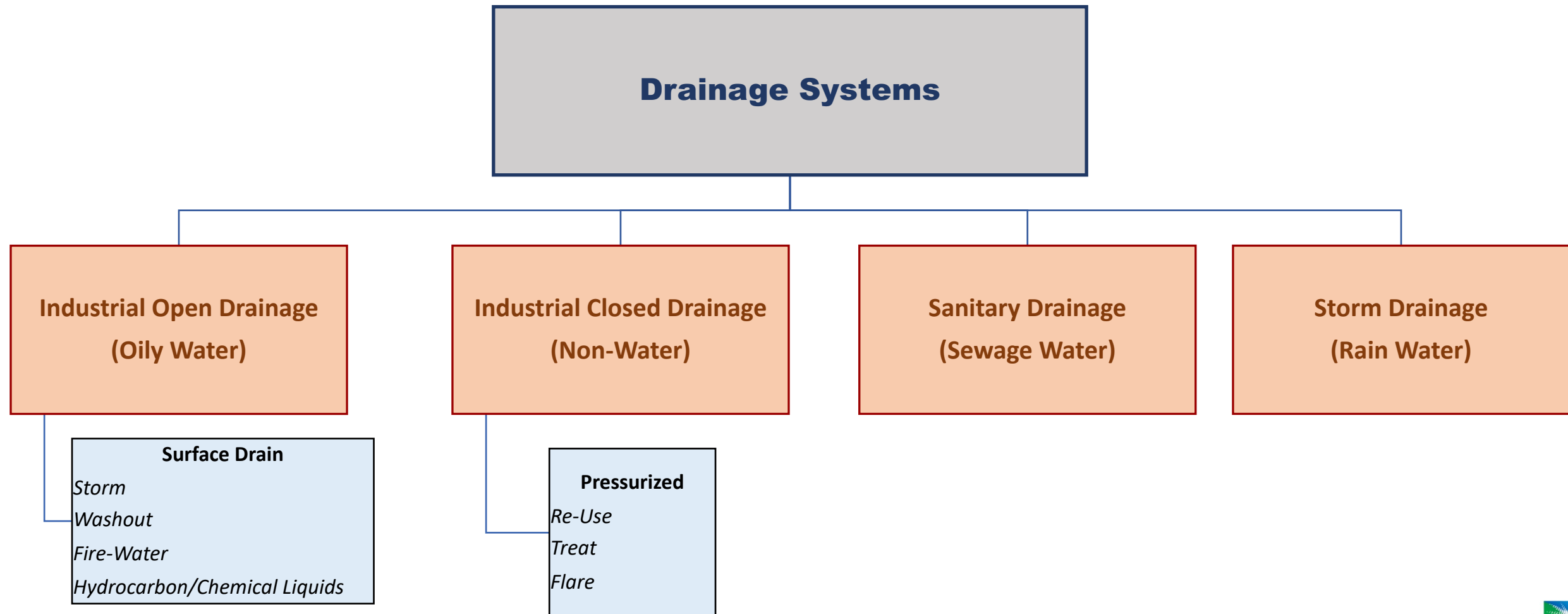
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Agenda

- Drainage Systems Overview
- Oily Water Drainage System
- Utilization of Wastewater(s)
- Future City Water Sustainability

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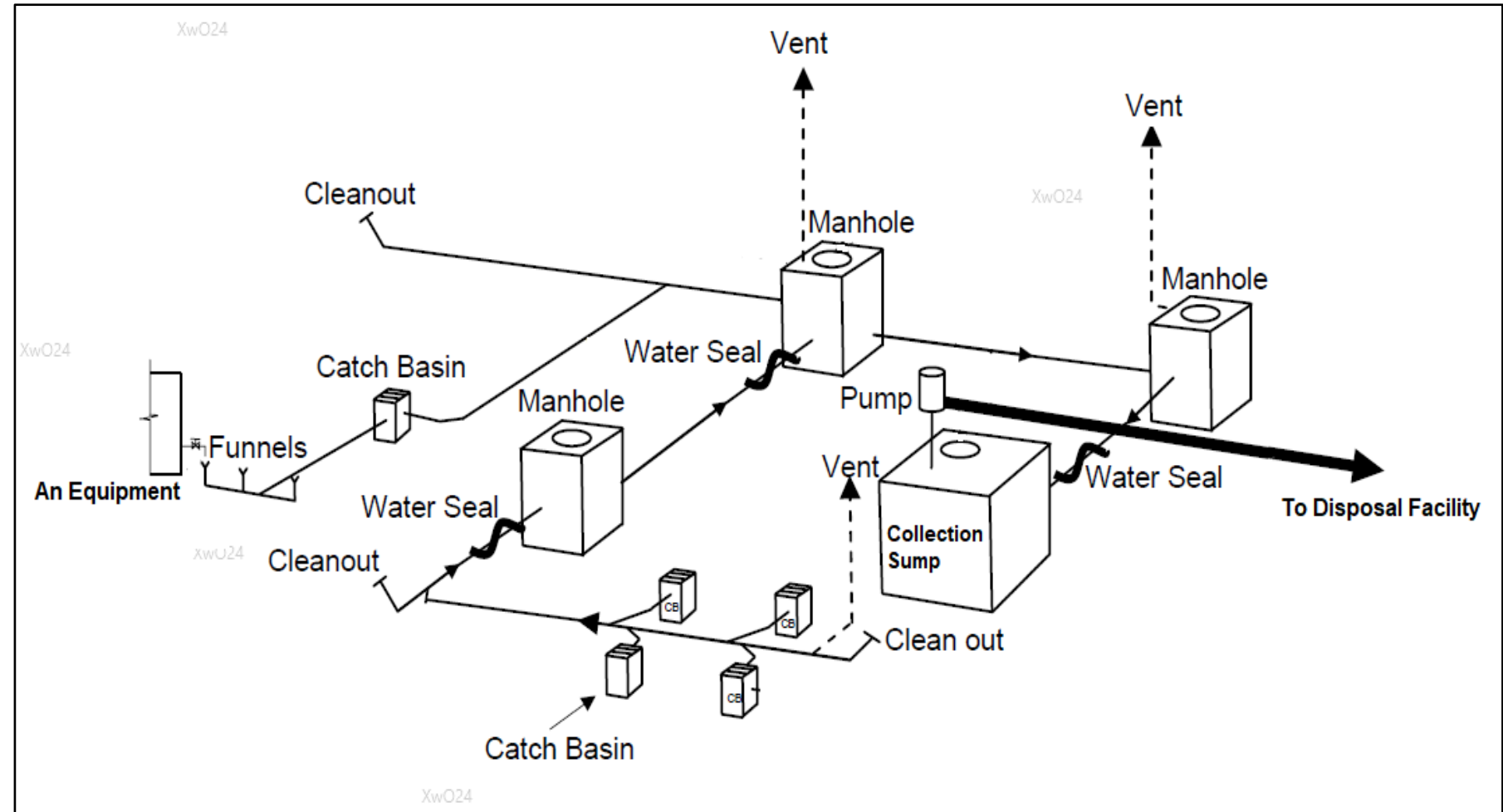
Drainage Systems Overview



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Oily Water Drainage Design

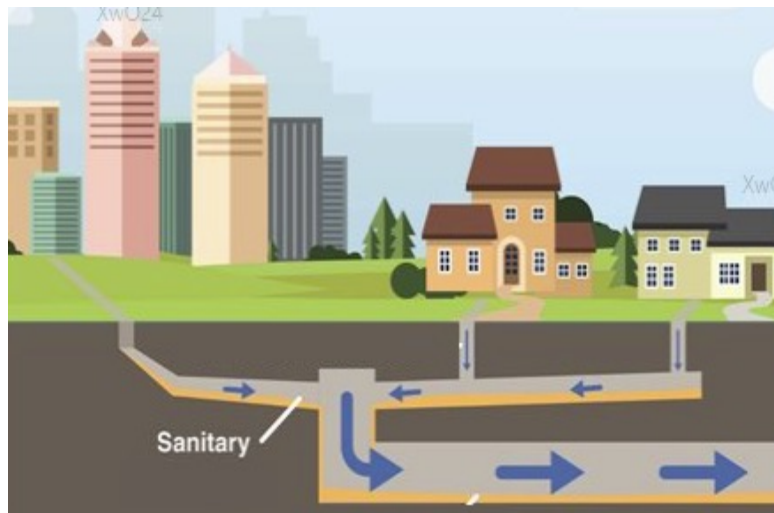
- Surface Runoff
- Fire Water
- Industrial liquid
- Dilution
- 90% Water



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Utilization of Wastewater(s)

SANITARY



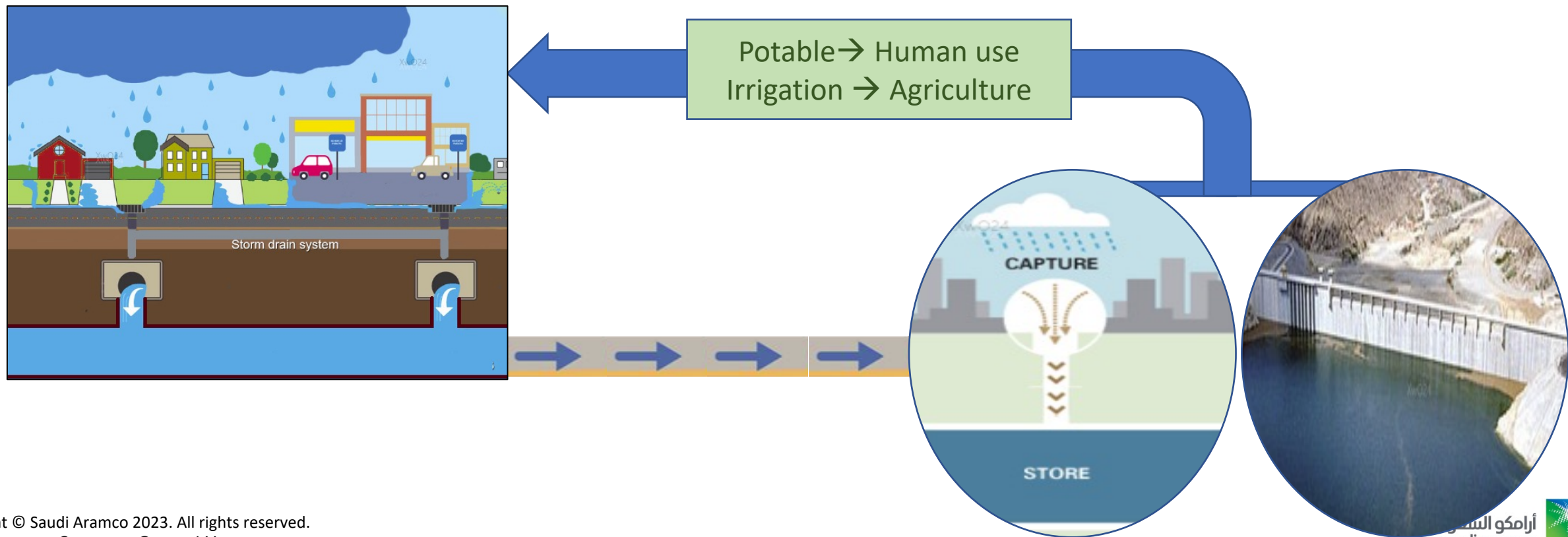
Potable → Human use
Irrigation → Agriculture



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Utilization of Wastewater(s)

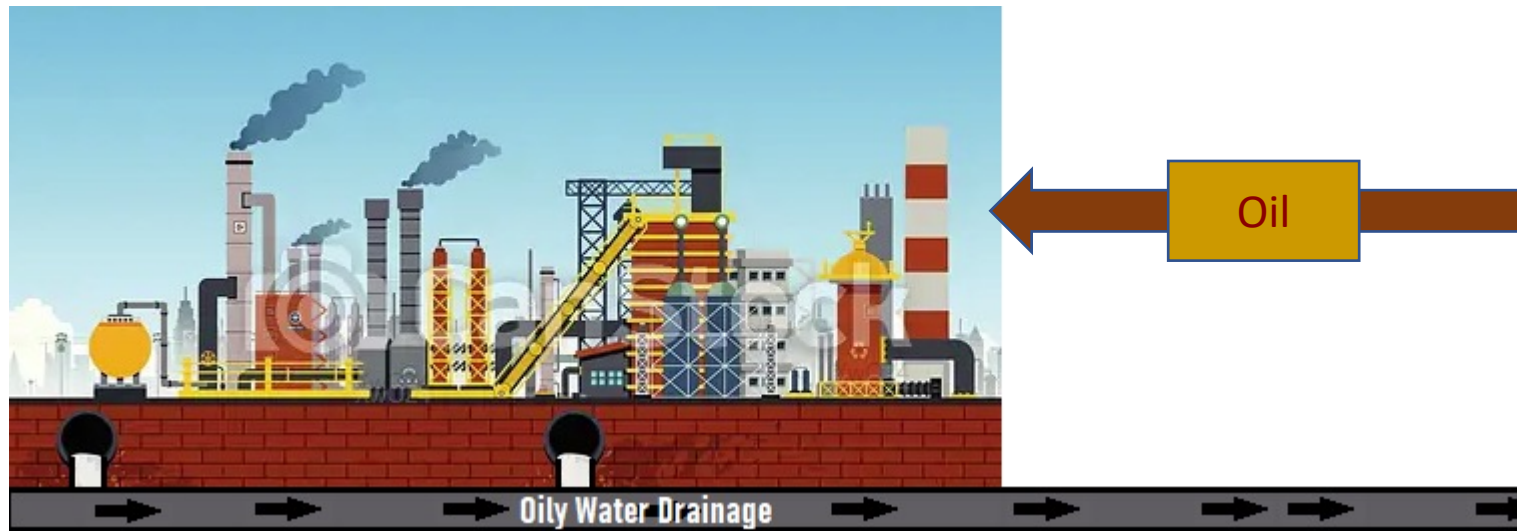
STORM



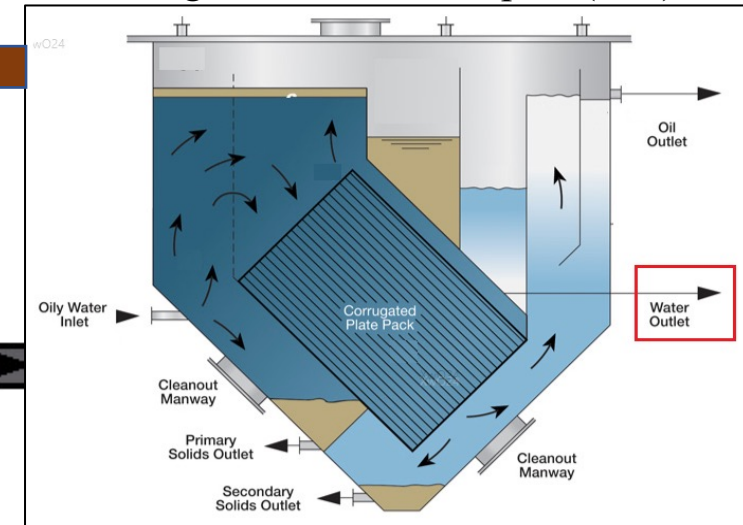
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Utilization of Wastewater(s)

Oily Water



Corrugated Plate Interceptor (CPI)



Potable → Human use
Irrigation → Agriculture

Water

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Future City Water Sustainability

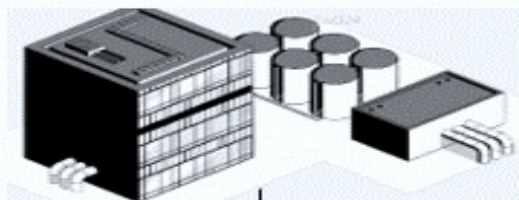


NEOM: Made to Change <https://www.neom.com/en-us>

- Seawater Desalination
- Brine Process
- Sewage Treatment
- Storm Water Preserve
- Industrial Water Treatment
- Solids Recycle
- Clean Water Strategic Storage
- Transportation

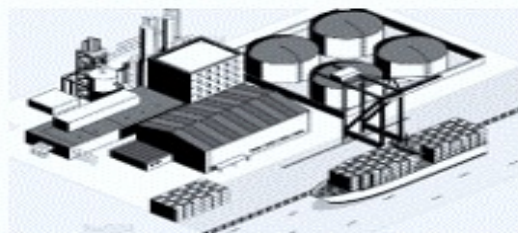
Dily Water Treatment

Extracting clean water out of industrial plants



Brine Process Plant

Utilization of solids and salts for chemical production

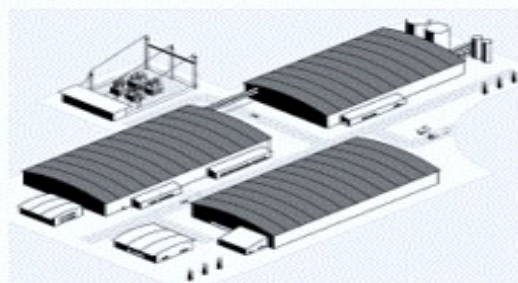


Water Storage

To satisfy water demands during any circumstances

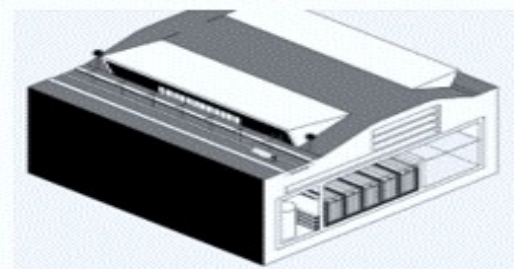


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Seawater Desalination Plant

Producing water out of natural resource (the sea)

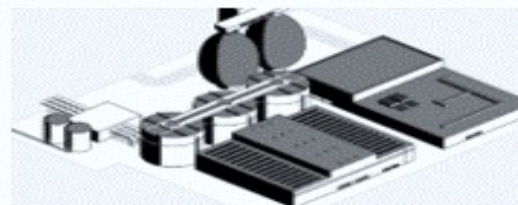


Sewage Treatment Plant (STP)

Treating Sewage and producing clean water



Change Water Future



Storm Water Reserve

Collecting, and treating rain collection to produce clean water

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Thank You