The world’s most precious finite resource is not oil, but water — essential to life, human and economic development, and geopolitical stability. According to the United Nations, nearly 1 billion of the Earth’s 7 billion-plus people do not have access to clean water. This integrated water management model demonstrates how dwindling water supplies can be managed more efficiently through public-private collaborations.

**The problem**

Terneuzen, Netherlands

FRESHWATER scarce REGION

\[ \begin{align*}
\text{Horticulture} \quad & \quad \uparrow \\
\text{Agriculture} \quad & \quad \uparrow \\
\text{Risk of Salinization} \quad & \quad \uparrow \\
\end{align*} \]

TRANSPORT WATER OVER

120 km

(approximately the distance
between New York City
and Philadelphia)

**Collaborative solution**

DOW

City of Terneuzen

Evides Water Co.

Municipal Water Board, Scheldestroomen

**ONE INTEGRATED PLAN**

**THE GOAL**

END BY YEAR 2020

**The result**

Municipal Wastewater

Industrial Wastewater

Belgian Polder Water

RECYCLE

DEMINERALIZATION

70% Recovered Usable Water for Manufacturing

~30,000 cubic meters of water accepted daily

**Benefits**

\[ \begin{align*}
\text{CO}_2 \text{ emissions} & \quad 60,000 \text{ tons/year} \\
\text{Cost} & \quad \downarrow \\
\text{Energy} & \quad 95\% \text{ reduction} \\
\end{align*} \]