

A novel manufacturing process for photocatalytically activate ceramic tiles by digital printing



The Blueprint to Safeguard Europe's Water:

- more efficient use of water
- development of innovative solutions to clean water
- to create market opportunities

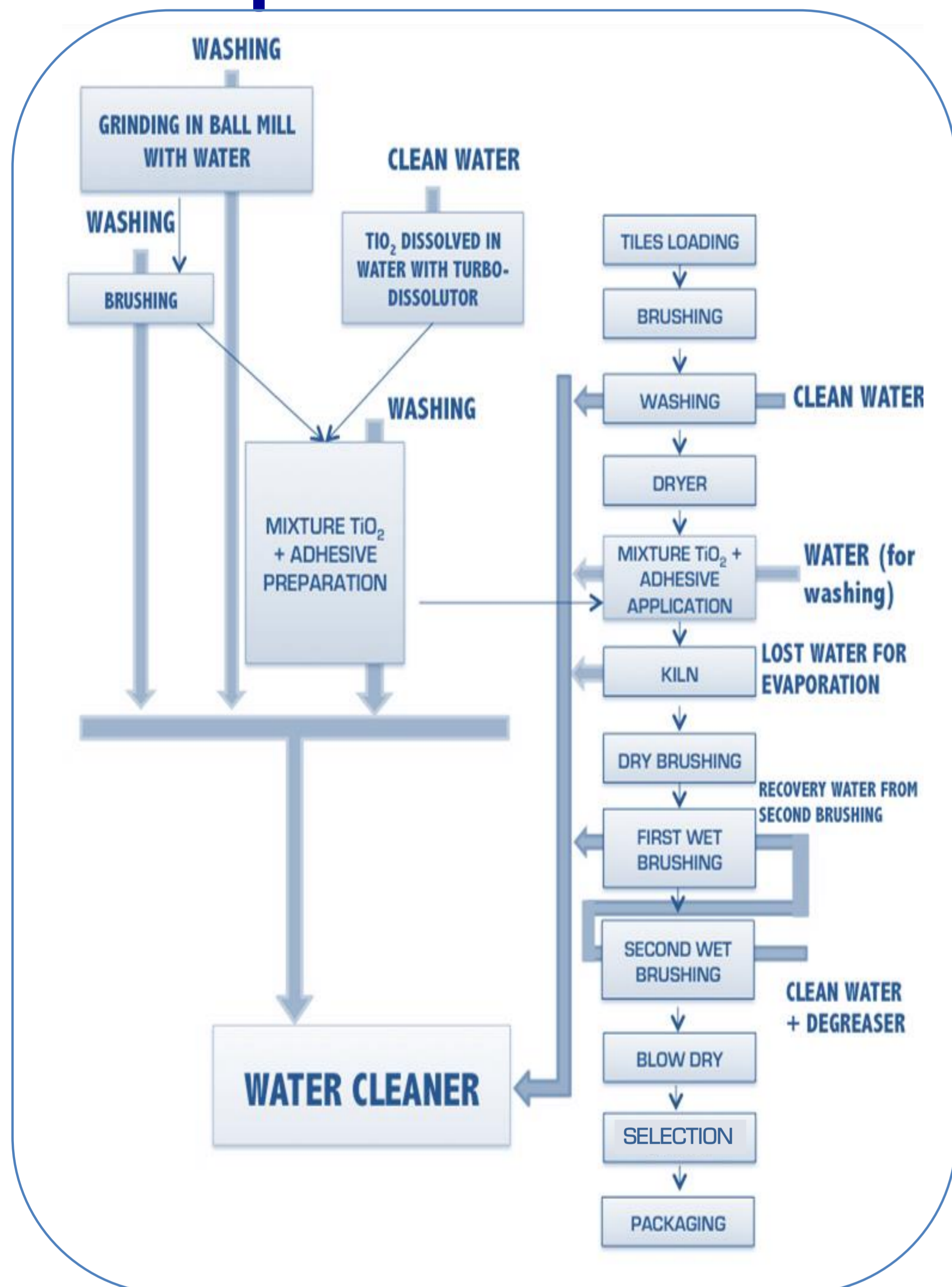
SAVE WATER...SAVE LIFE



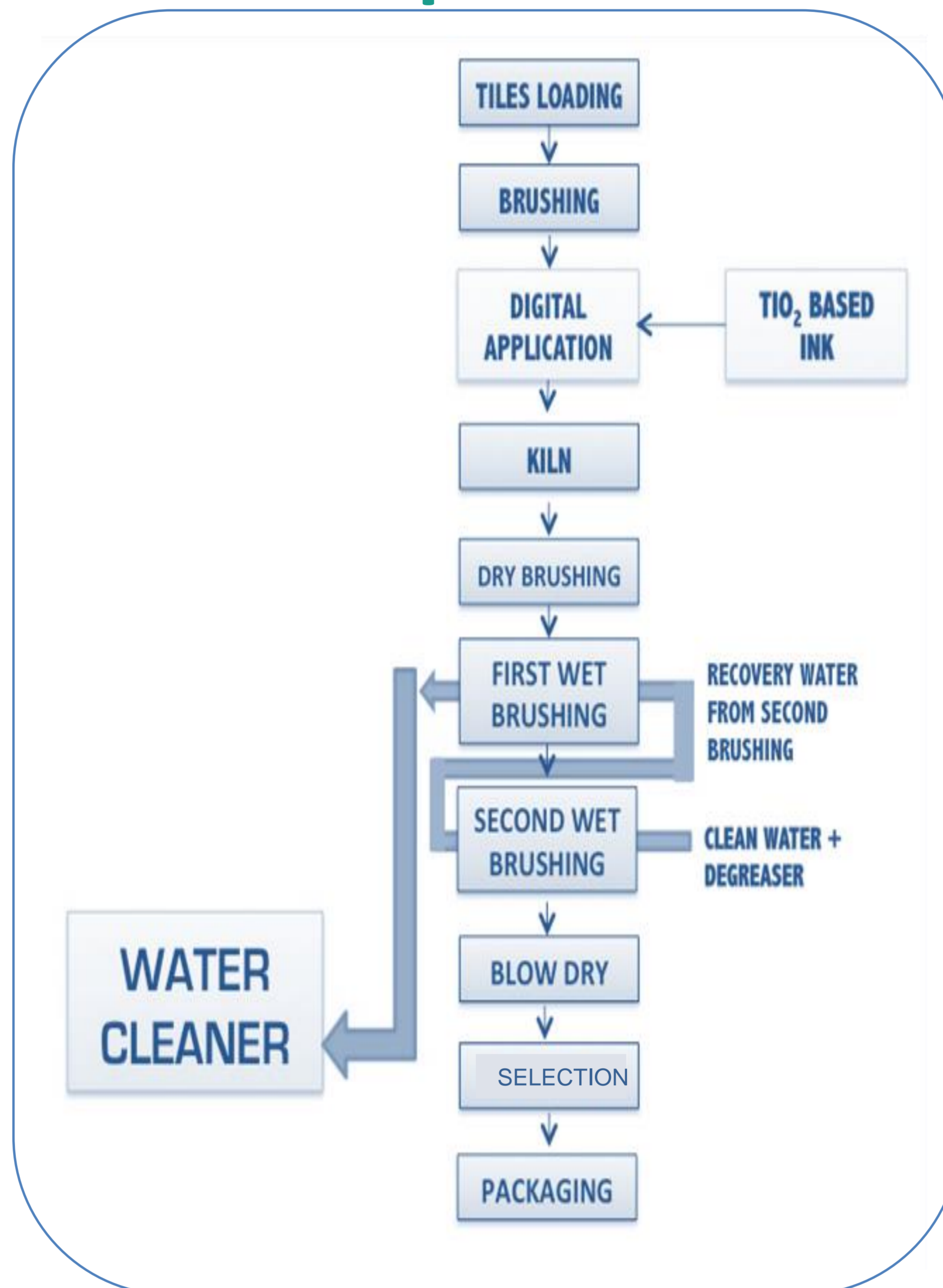
Save Water ... Save Life

DIGITALIFE is in line with the EU policies

ACTIVE old production



NEW DIGITALIFE ACTIVE production



ALMOST 100% WATER SAVING



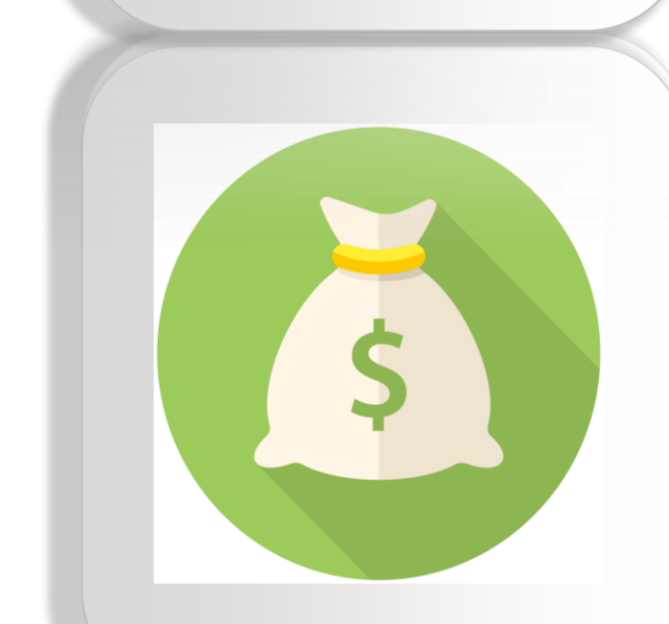
-12% ENERGY CONSUMPTION SAVING



-50% USE OF RAW MATERIALS SAVING



NO USE OF HARMFUL MATERIALS



MONEY SAVING

LIFE+ DIGITALIFE = novel TiO₂ deposition technology reduce water consumption

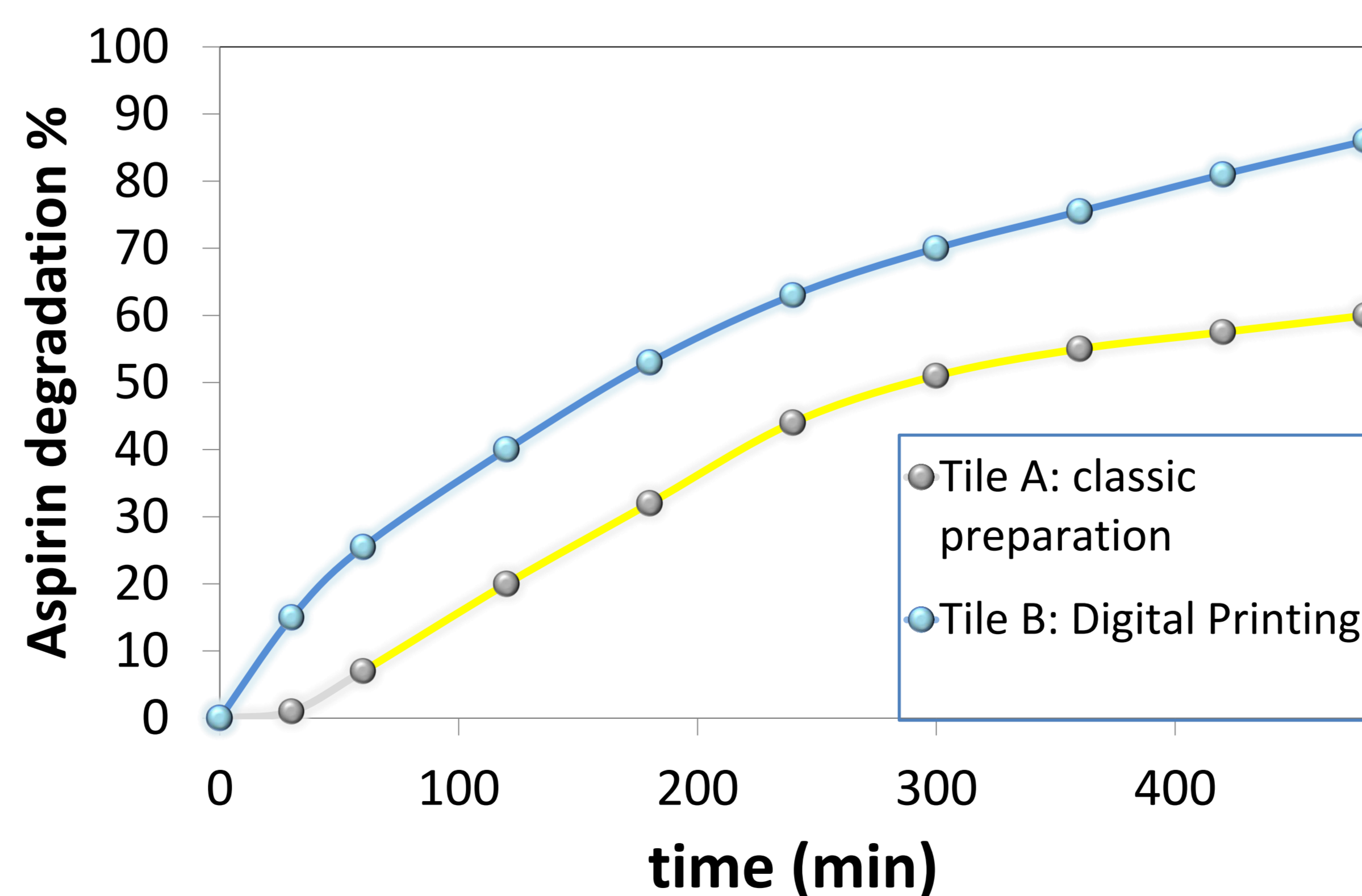
- 52 tons water per year



CLEAN WATER...SAVE LIFE

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CLEAN WATER...SAVE LIFE



The graph shows the aspirin degradation in contaminated water using Active tiles under irradiation by UV light.

Active tiles are able to purify water: the photocatalytic effect of TiO₂ makes them efficient against pollutants and organic compounds, such as drugs.

Aspirin: model molecule related to the pollution of rivers.