

Implementation of the effluent treatment process in potatoes processing





CONSCIOUS USE OF WATER AND REUSE IN THE INDUSTRIAL PROCESS

WATER
AVAILABLE

0,5

%

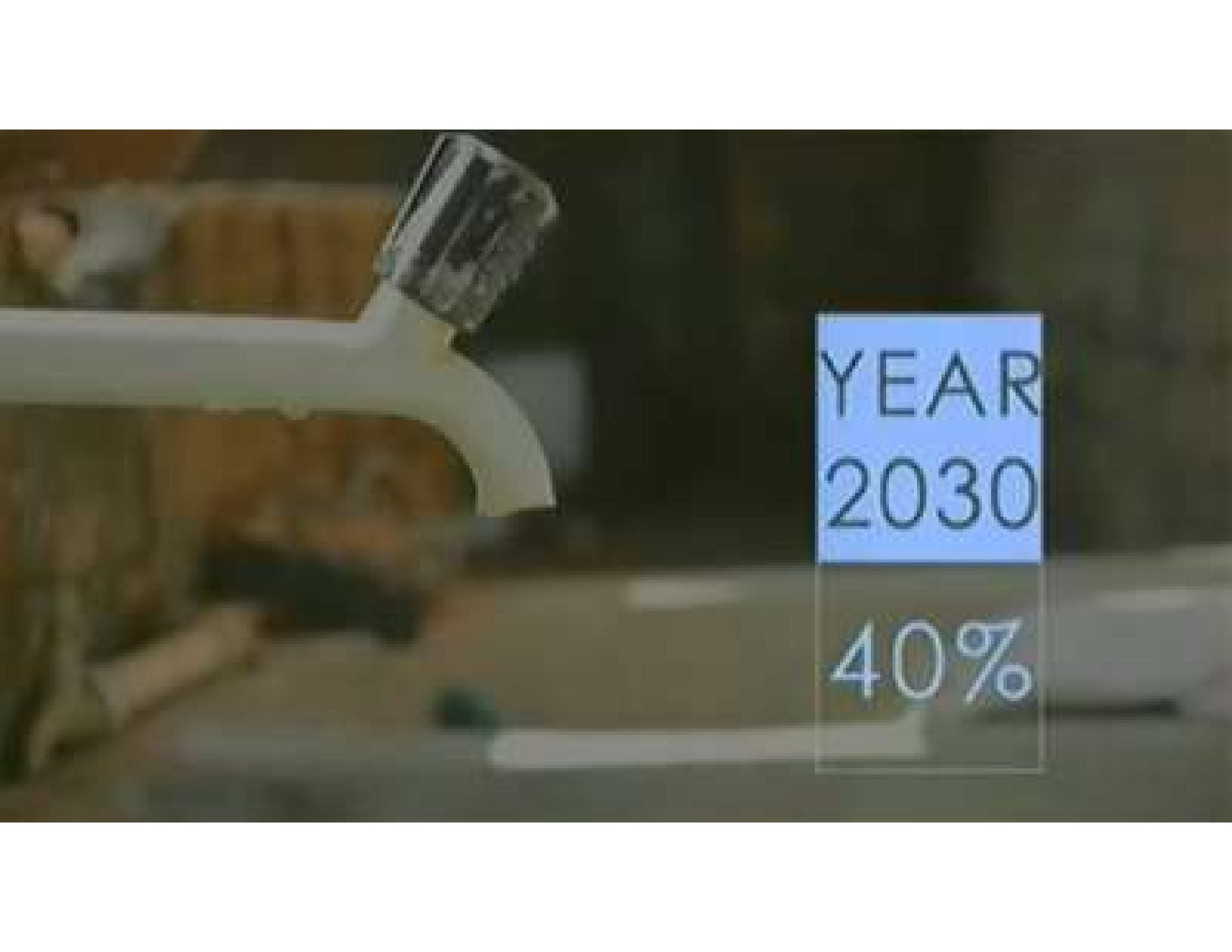
INDUSTRY



29 LARGEST CONSUMERS



2,3 MILLIONS
LITERS PER SECOND



YEAR
2030

40%



INSTITUTO
FEDERAL
Triângulo Mineiro

60.000
liters/hour

**CONCERN WITH
REUSE FROM
WATER**



**ELECTRIC
CONDUCTIVITY**



POTASSIUM

Ultrafiltration

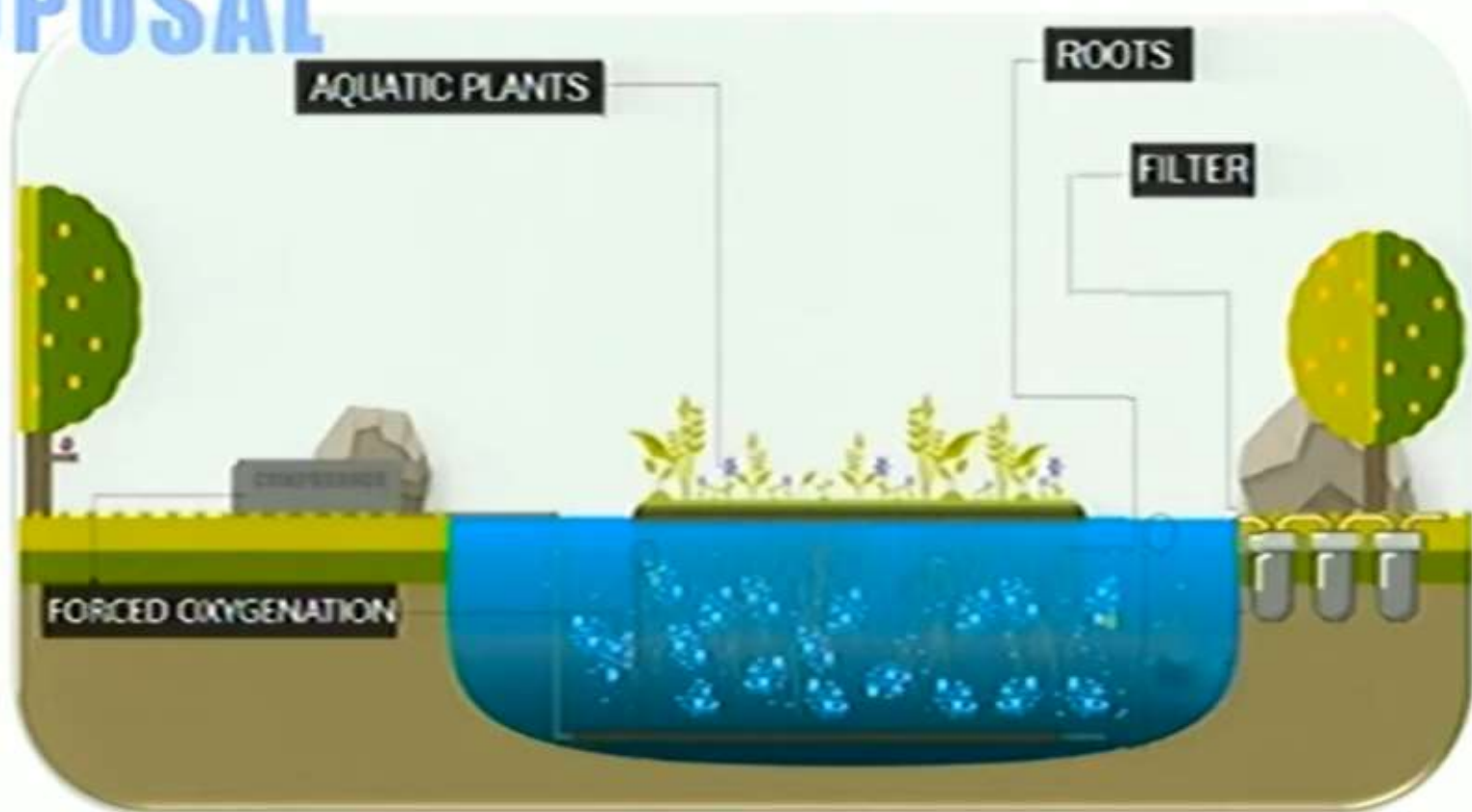
Reverse Osmosis

COST OF IMPLANTATION
MAINTENANCE



METHODS
EXISTING

OUR PROPOSAL



WINNINGS



INSTITUTO
FEDERAL
Triângulo Mineiro

REDUCTION

ENVIRONMENTAL IMPACT
SHORT-TERM FINANCIAL
CAPTURE COST
COST OF DISPOSAL
OPERATIONAL COSTS

ENLARGEMENT

CONTRIBUTION MARGIN
BUSINESS COMPETITIVENESS
REFERENCE IN THE FOOD MARKET



Anna Luiza
Graduating in Food
Technology



Flavio Neves
Graduating in Marketing
Technology



Malheus
Graduating in Agronomic
Engineering



Thiago Lopes
Graduating in Computer
Engineering



Alas Samlino
MSc student in Civil
Engineering



Samlino
Graduating in Chemical
Engineering