



ZERO BRINE

WP3: Minimizing energy consumption and increase resource recovery yields through advanced treatment methods in the coal mine and textile industries



The ZERO BRINE project (www.zerobrine.eu) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730390.



Polish plant

Industrial partner changed from Tauron to PGG (last year)

Location: “Bolesław Śmiały” coal mine in Łaziska, Poland

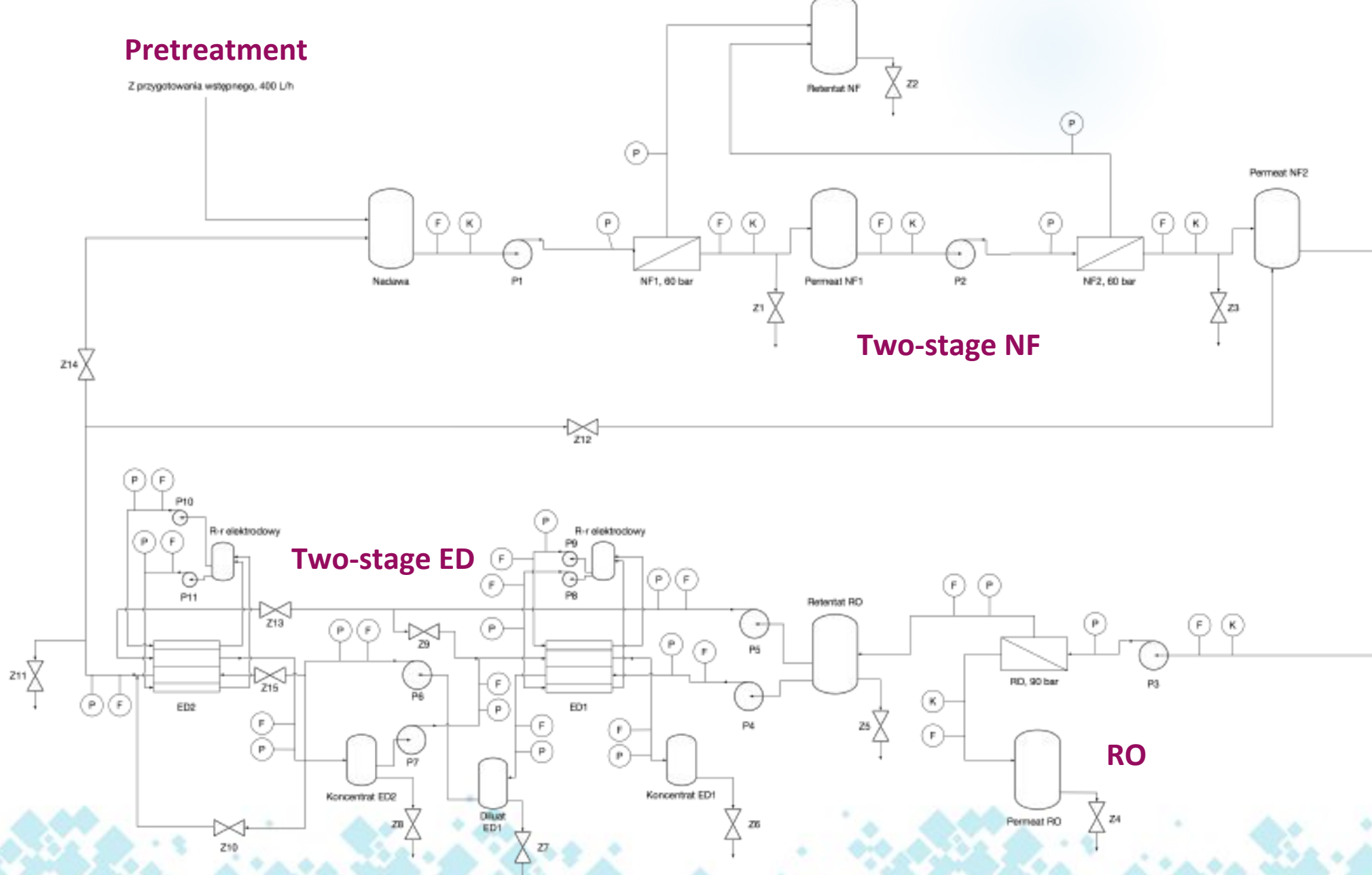
Re-scheduled for operation to early 2019

UNIPA’s CriEM to be tested



Pretreatment

Z przygotowania wstępnego, 400 L/h



Mg(OH)₂ and salt recovery to be tested in bench-scale

Industrial Wastewater ◆ Resource Recovery ◆ Circular Economy



Current progress

D3.1 - delivered

D3.2 - in progress (should be ready by 20.06): NF, RO, ED tests done

D3.3 - in progress (should be ready by end of week)

D3.4 - re-scheduled

D3.5 - re-scheduled

plant update: talks with the technology provider (POLYMEMTECH, Warsaw) in progress, they confirmed the Nov/Dec deadline, suggested lower pressure for NF, requested some additional tests of feed water to design the pretreatment **JEŚLI BĘDZIE PRZEDSTAWICIEL KE, TO LEPIEJ TO WYKASOWAĆ**



Turkish plant

Currently in the middle of lab tests

Field trip in September?