DIAGRAM 1

RAW DIGESTATE TREATMENT FROM ANAEROBIC BIODIGESTER WITH PRE-ACIDIFICATION

REDUCTION OF THE VOLUME OF THE LIQUID FRACTION OF DIGESTATE TO BE DISPOSED OF.

EVAPORATED TREATABLE BIOLOGICALLY AND DISCHARGEABLE IN SURFACE.

EVAPORATED REUSABLE FOR FEEDING THE BIODIGESTION PROCESS.

PRODUCTION OF CONCENTRATE WITH LOW CONTENT OF AMMONIACAL NITROGEN.

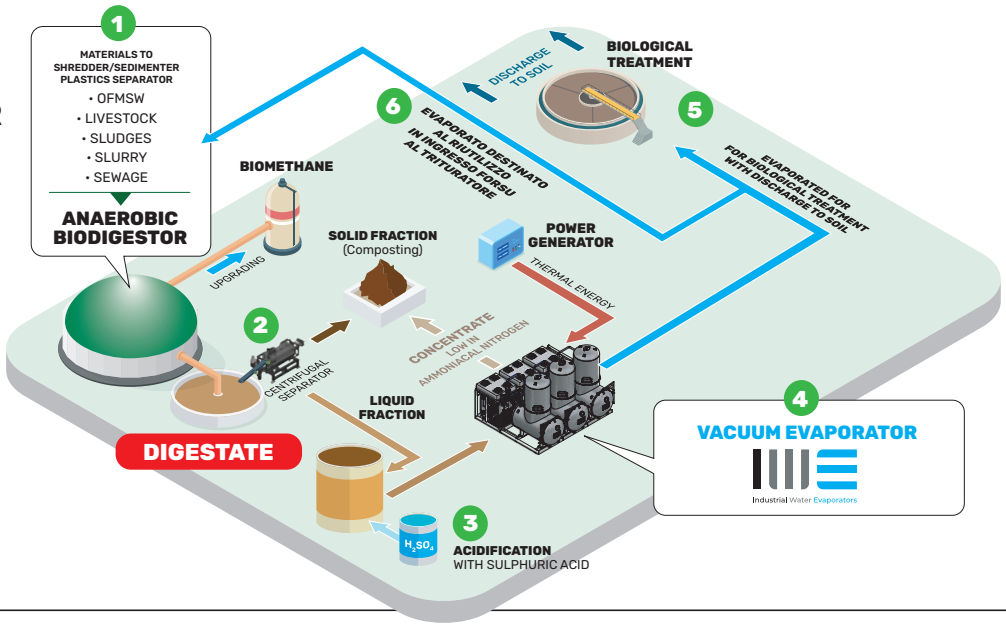

DIAGRAM 2

DIGESTATE TREATMENT FROM ANAEROBIC BIODIGESTER WITH BIOLOGIC + UF/RO MEMBRANES PRE-TREATMENT

VOLUME REDUCTION OF THE LIQUID FRACTION OF DIGESTATE FOR DISPOSAL

REDUCTION OF HEAT DEMAND FOR VACUUM EVAPORATOR OF LIMITED SIZE.

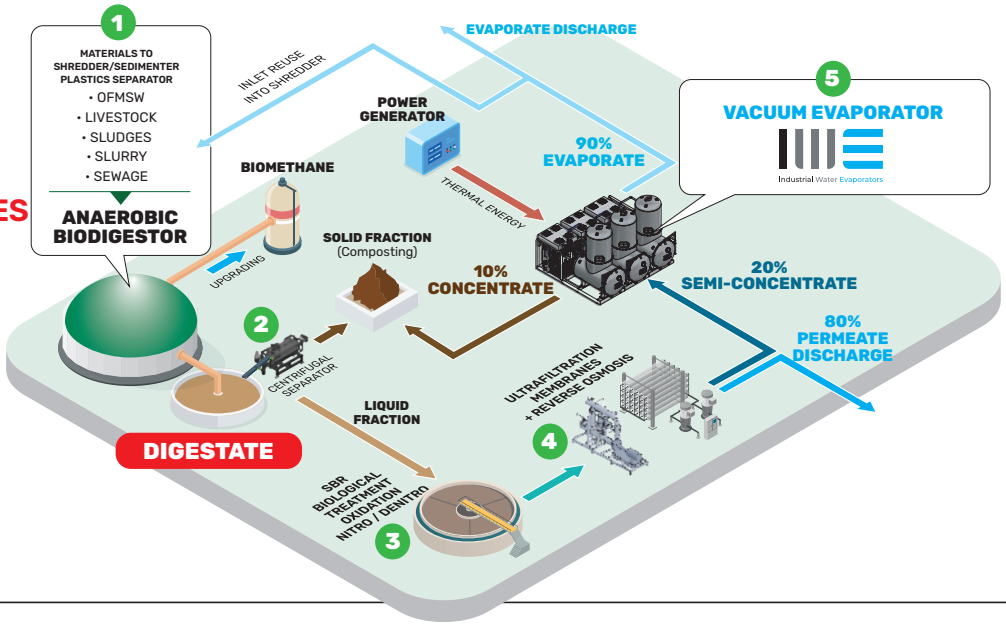

DIAGRAM 3

DIGESTATE TREATMENT FROM ANAEROBIC BIODIGESTER SYSTEM "BIOSIP • AGATOS"

PRODUCTION OF QUALITY AMMONIUM SULPHATE WITH AMMONIA RECOVERY.

LOW RISK OF CLOGGING OSMOSIS AND ULTRAFILTRATION MEMBRANES.

RECOVERY OF CONCENTRATES FROM EVAPORATION WITH LOW OF AMMONIACAL NITROGEN.

OSMOSIS WATER AND DIGESTATE WITHOUT/LOW AMMONIACAL NITROGEN REUSABLE IN THE PROCESS.