01-V101
DEMI WATER VESSEL
VAS APA DEMI

LUNGIMEA / LENGTH	4,000 m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	1,800 m		NU / NO ☐

01-P101a/b
DEMI WATER PUMP
POMPA APA DEMI

MEDIU / PRODUCT		APA DEMI / DEMINERALIZED WATER
DEBIT / FLOW RATE	m^3/h	35
PRESIUNE ASP. / SUCTION PRESS.	bar g	0,1
PRESIUNE REF. / DISCH. PRESS.	bar g	12

01-V6
DEGAZOR TERMIC
THERMAL DEAERATOR

LUNGIMEA / LENGTH	6,500m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	2,600m		NU / NO ☐

01-V7
SEPARATOR PICATURI
KNOCK-OUT DRUM

INALTIMEA / HEIGHT	1,600m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	0,700m		NU / NO ☐

01-G4a,b
GENERATOARE ABUR
STEAM GENERATORS

LUNGIMEA / LENGTH	7,393m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	0,70/0,80/1,60m		NU / NO ☐
MEDIUL / PRODUCT	MANTA / SHELL	APA TRATATA/ABUR J.P. BFW/L.P. STEAM	
	TEVI / TUBES	DISTILATE VID/REZIDUU VID VACUUM DIST./VACUUM RES.	

01 V8
EXPANDOR PURJA CONTINUA
CONTINUOUS BLOW-DOWN EXPANDER

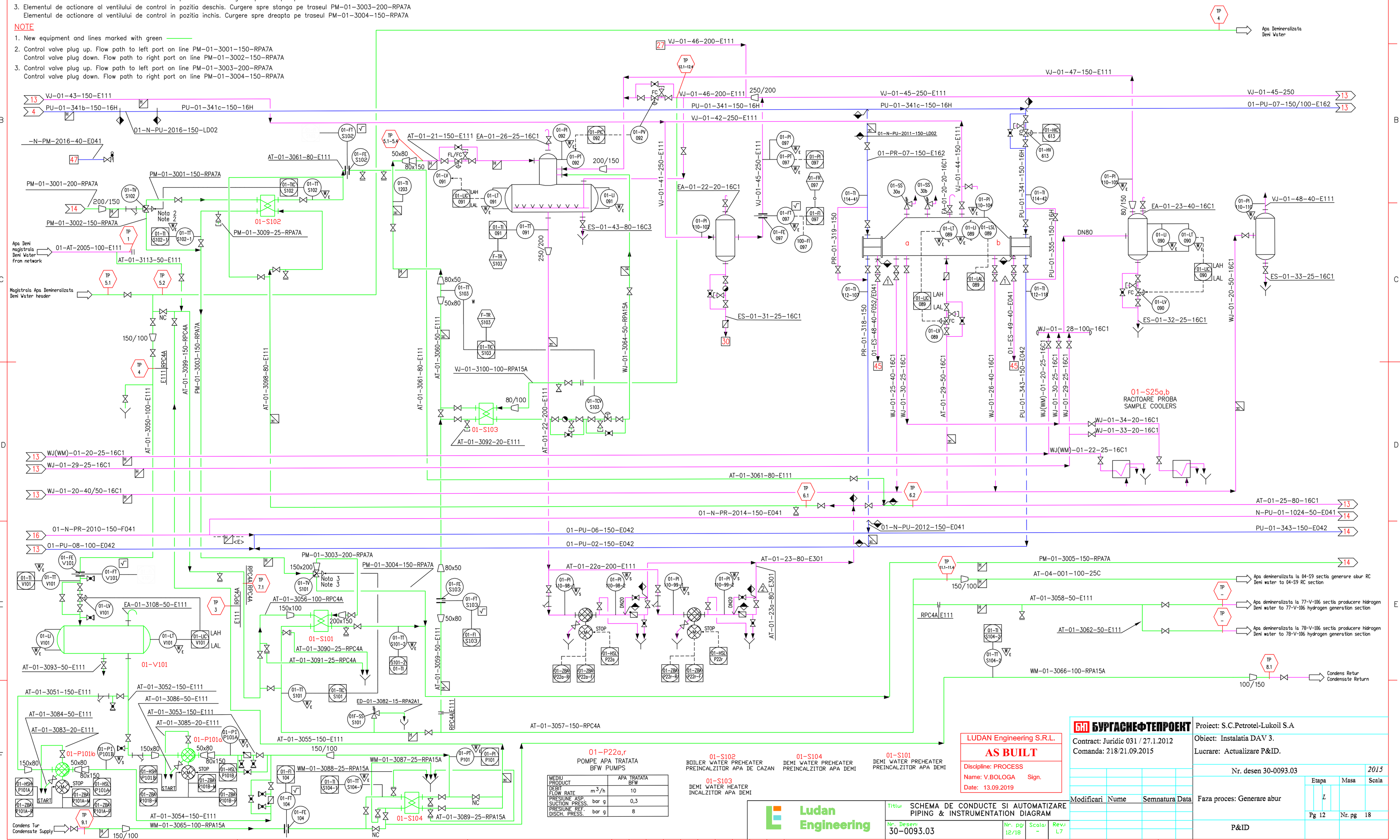
INALTIMEA / HEIGHT	1,900m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	0,900m		NU / NO ☐

01-V9
XPANDOR PURJA PERIODICA
DISCONTINUOUS BLOW-DOWN EXPANDER

INALTIMEA / HEIGHT	1,825m	IZOLAT / INSULATED	DA / YES ☒
DIAMETRUL / DIAMETER	0,220m		NU / NO ☐

NOTA
1. Echipamente si trasee noi marcate cu verde
2. Elementul de actionare al ventilului de control in pozitia deschis. Curgere spre stanga pe traseul PM-01-3001-150-RPA7A
   Elementul de actionare al ventilului de control in pozitia inchis. Curgere spre dreapta pe traseul PM-01-3002-150-RPA7A
3. Elementul de actionare al ventilului de control in pozitia deschis. Curgere spre stanga pe traseul PM-01-3003-200-RPA7A
   Elementul de actionare al ventilului de control in pozitia inchis. Curgere spre dreapta pe traseul PM-01-3004-150-RPA7A

NOTE
1. New equipment and lines marked with green
2. Control valve plug up. Flow path to left port on line PM-01-3001-150-RPA7A
   Control valve plug down. Flow path to right port on line PM-01-3002-150-RPA7A
3. Control valve plug up. Flow path to left port on line PM-01-3003-200-RPA7A
   Control valve plug down. Flow path to right port on line PM-01-3004-150-RPA7A



01-P22a,r
POMPE APA TRATATA
BFW PUMPS

MEDIU / PRODUCT		APA TRATATA / BFW
DEBIT / FLOW RATE	m^3/h	10
PRESIUNE ASP. / SUCTION PRESS.	bar g	0,3
PRESIUNE REF. / DISCH. PRESS.	bar g	8

01-S102
BOILER WATER PREHEATER
PREINCALZITOR APA DE CAZAN

01-S104
DEMI WATER PREHEATER
PREINCALZITOR APA DEMI

01-S101
DEMI WATER PREHEATER
PREINCALZITOR APA DEMI

01-S103
DEMI WATER HEATER
INCALZITOR APA DEMI

LUDAN Engineering S.R.L.
AS BUILT
Discipline: PROCESS
Name: V.BOLOGA Sign.
Date: 13.09.2019

Ludan Engineering

Titlul: SCHEMA DE CONDUCTE SI AUTOMATIZARE
PIPING & INSTRUMENTATION DIAGRAM

Nr. Desen: 30-0093.03 | Nr. pg: 12/18 | Scala: - | Revi: L7

БИ БУРГАСНЕФТЕПРОЕКТ
Contract: Juridic 031 / 27.1.2012
Comanda: 218/21.09.2015

Proiect: S.C.Petrotel-Lukoil S.A
Obiect: Instalatia DAV 3.
Lucrare: Actualizare P&ID.

Nr. desen 30-0093.03 — 2015

Modificari	Nume	Semnatura	Data

Faza proces: Generare abur

Etapa	Masa	Scala
L		
Pg 12	Nr. pg 18	

P&ID