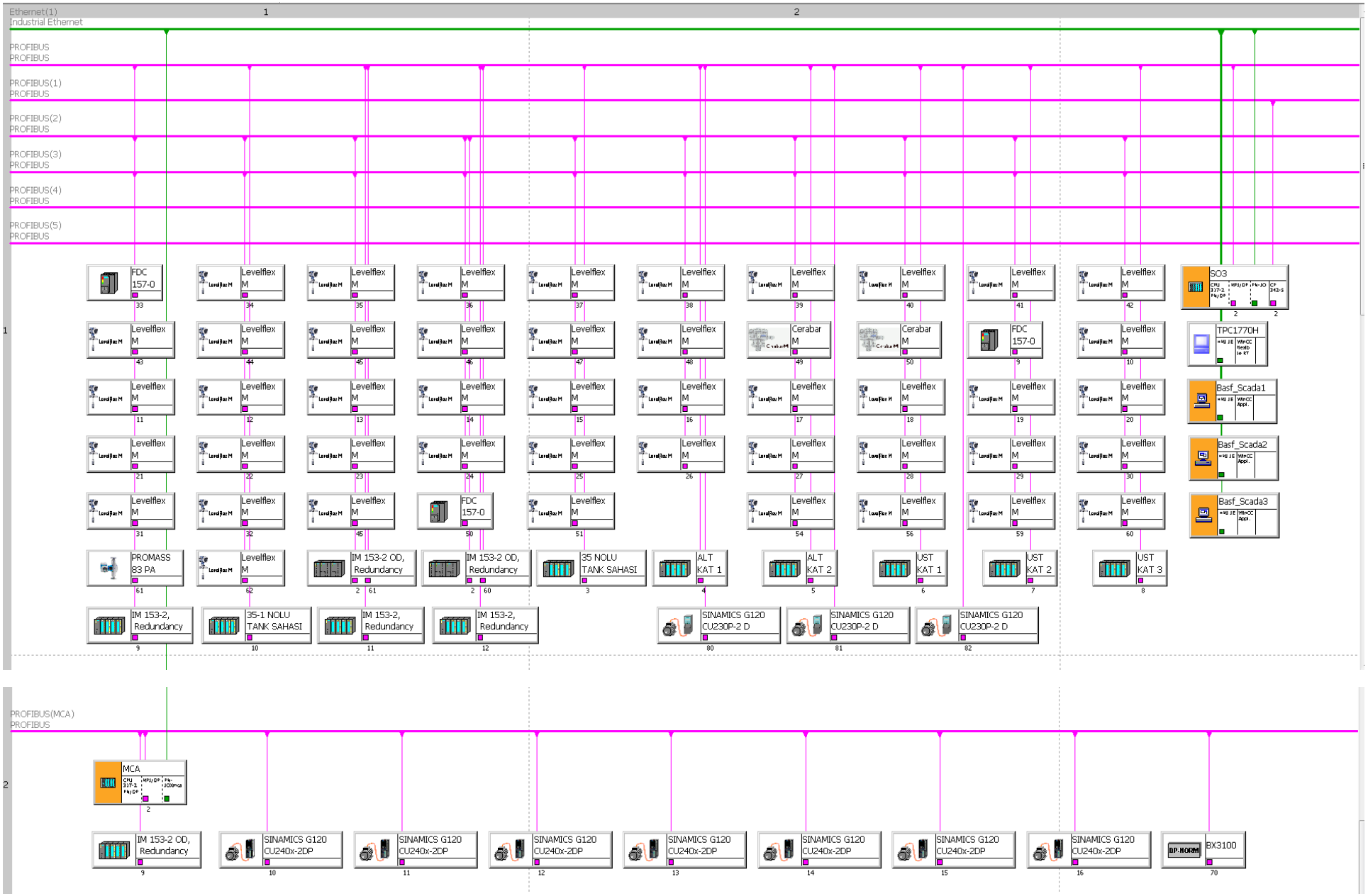
BASF BLENDING

BASF BLENDING OTOMASYON SİSTEMİ



- Automation System controls all Tank Farm Silos, Filling Lines and Machines.
- The system is controlled by 2 Siemens S7-317_2PN/DP PLC and 3 Scada Station. All Scada Stations work as Single Mode, 2 of them are Redundant.
- Simatic Manager V5.6 Profesional and WinCC V7.4 software are used.
- System Communicates with Field Equipments (Level, Pressure etc.) over Profibus-PA.
- ProfibusDP is used for RemoteIO station and Siemens Frequency Driver.
- Total IO:

PLC : Siemens S7 300 CPU317_2PN_DP : 2

Remote IO :ET200M-Profibus-DP :13

ProfibusPA :48

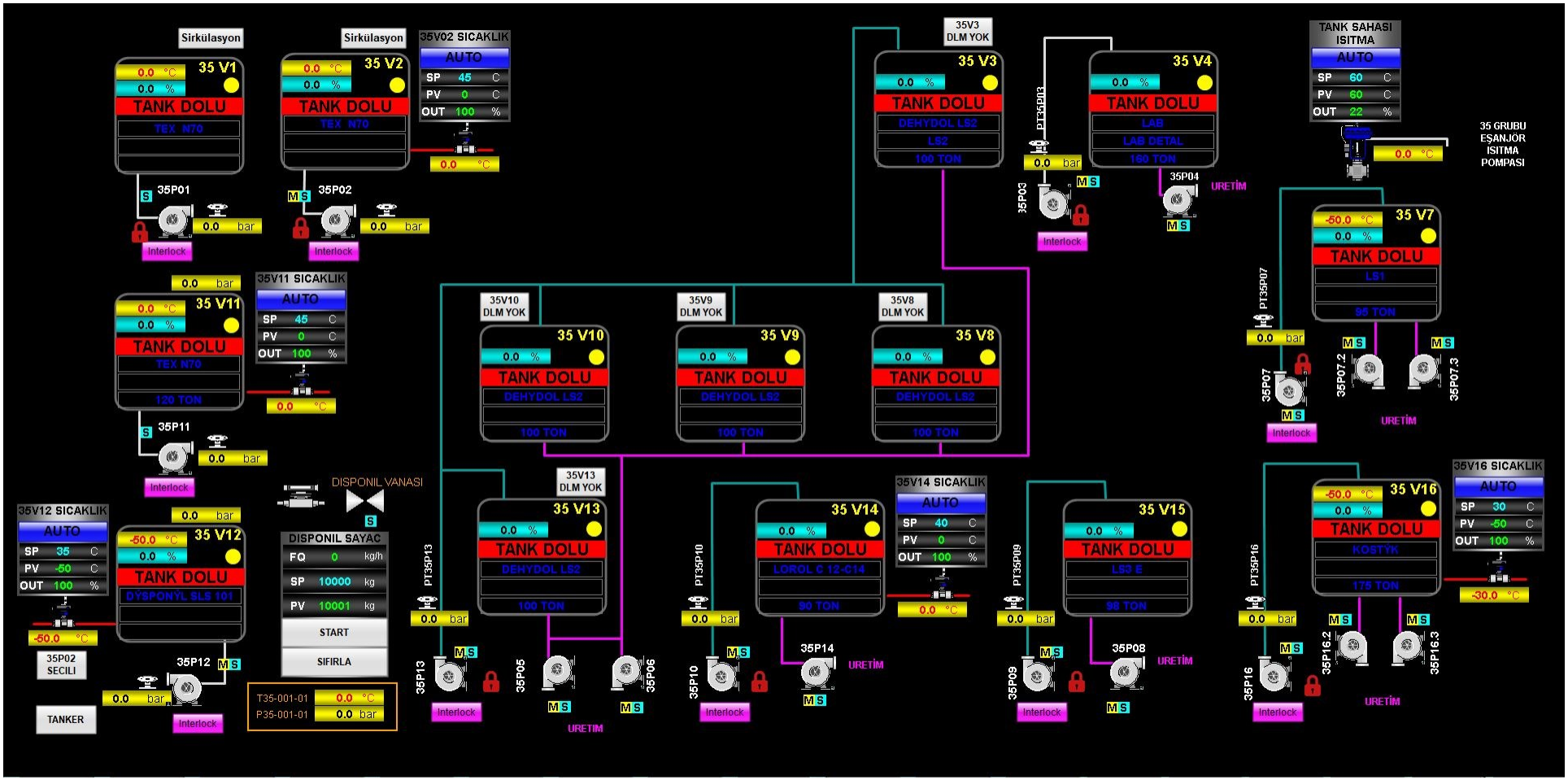
Scada :WinCC V7.4 :3 Single Station-Total Tag Count=14.991

Digital IO : 1920

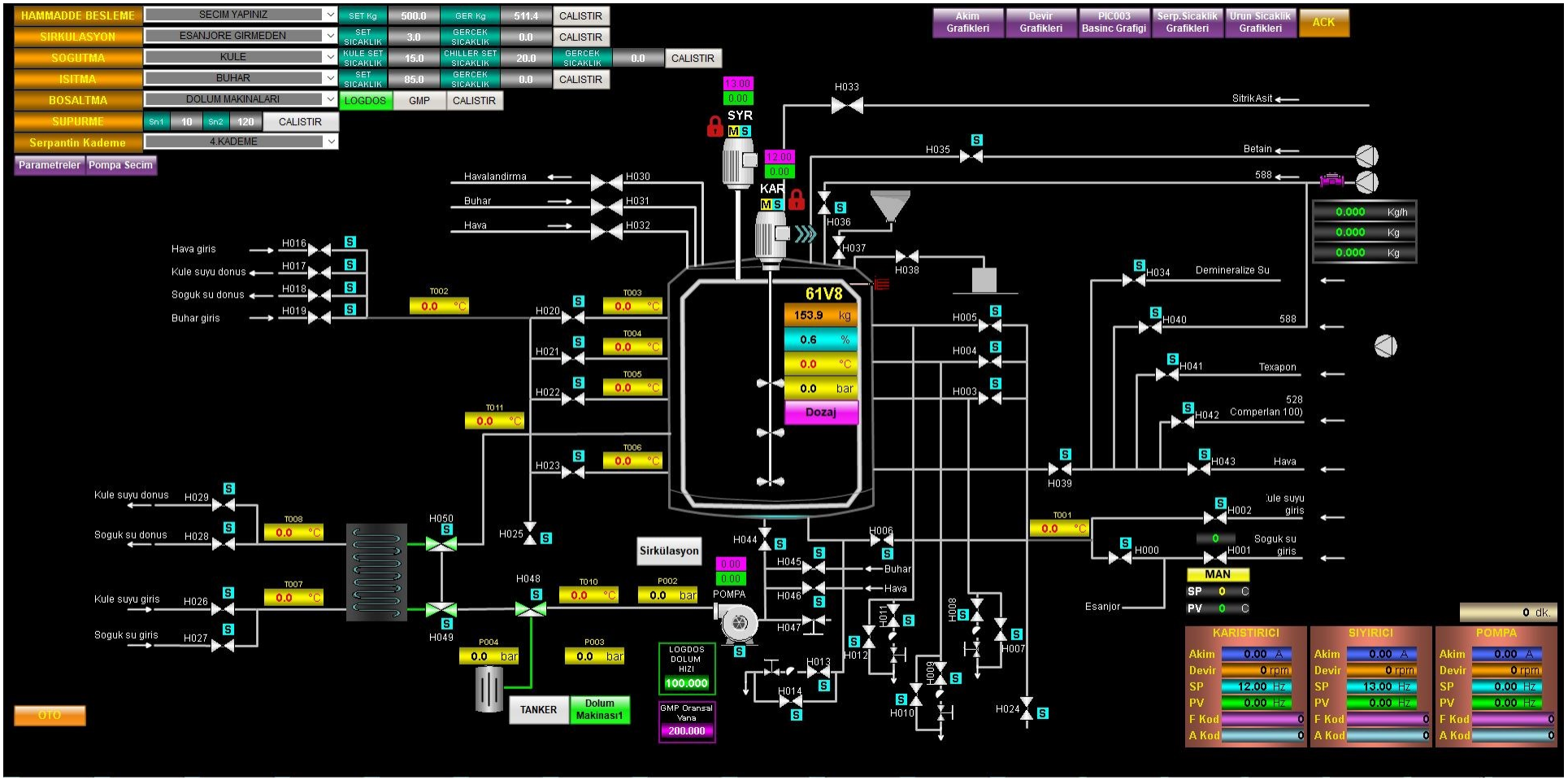
Analog IO :384

Driver: SINAMICS G120 DP : 10

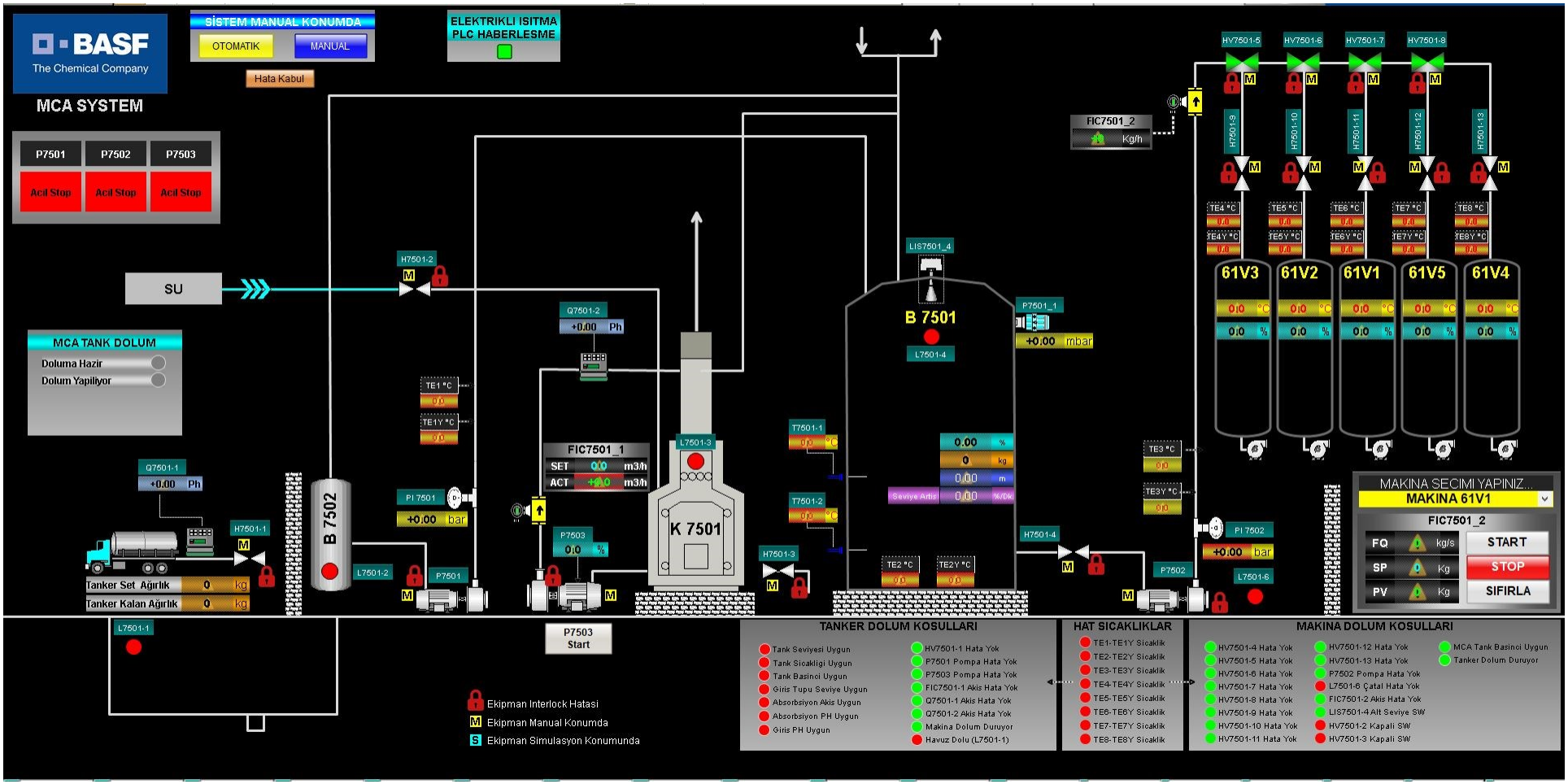
35 TANK SAHASI GRUBU



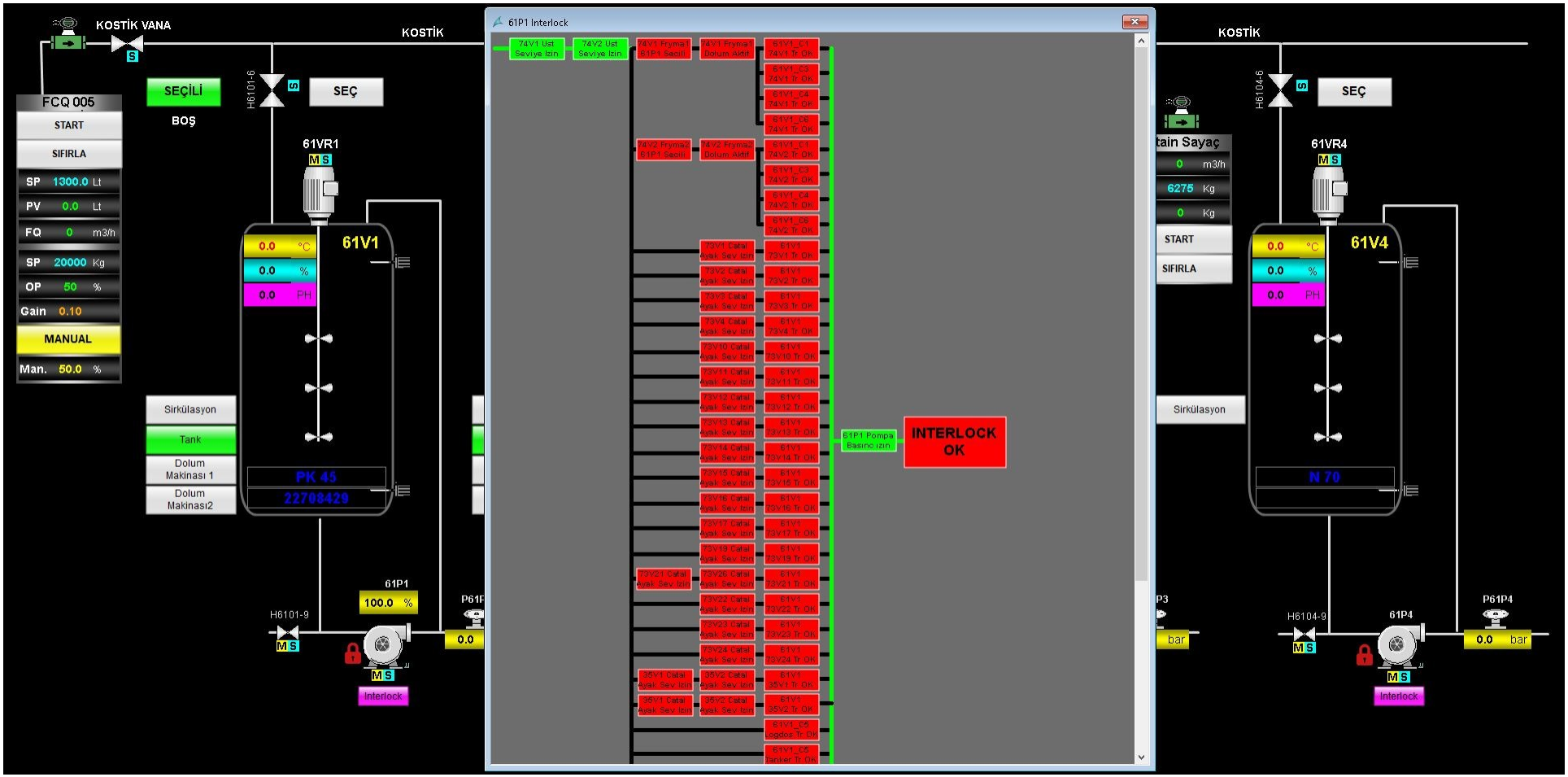
EUPERLAN URETIM MAKINASI



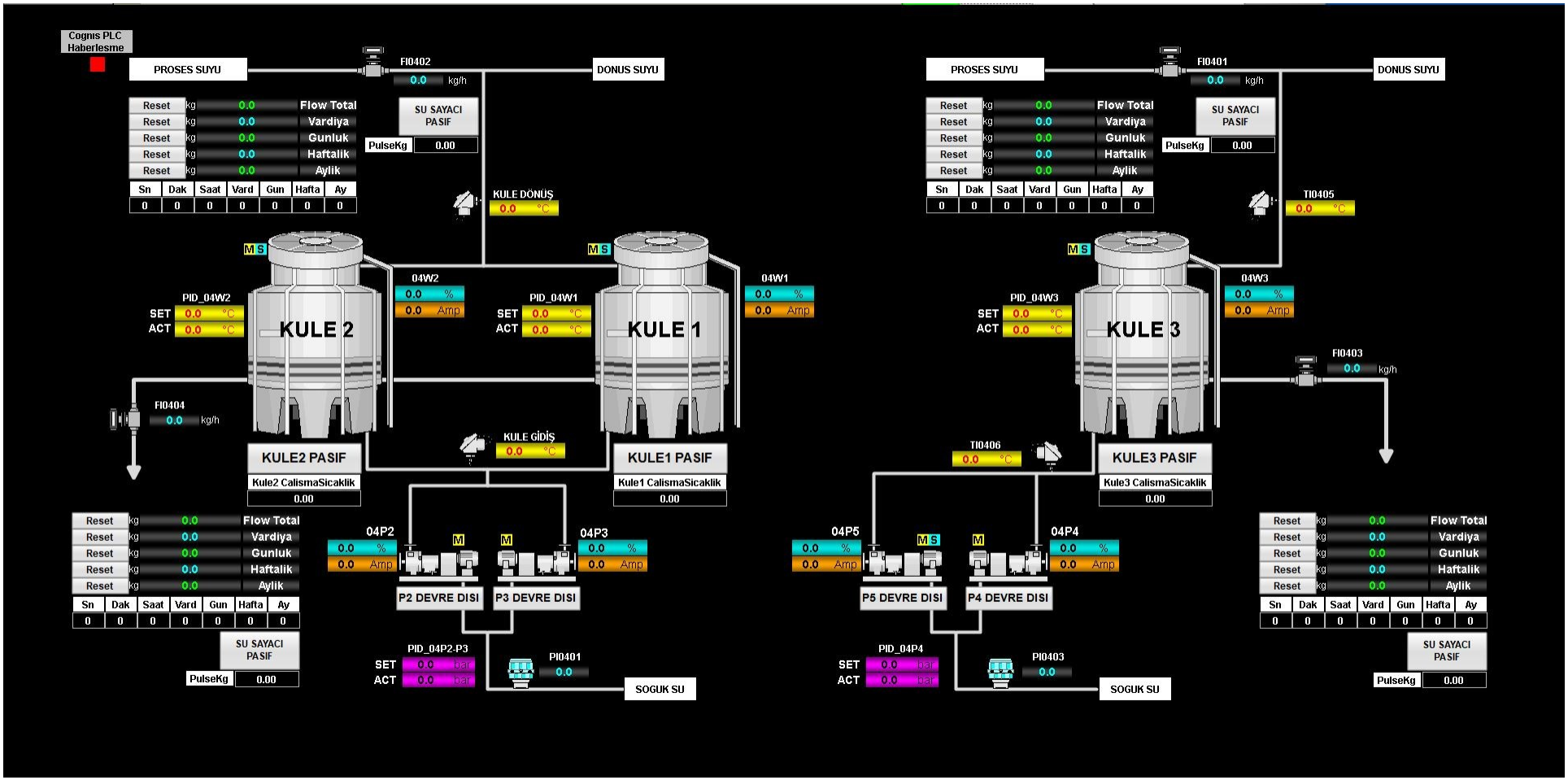
MCA TANK SAHASI



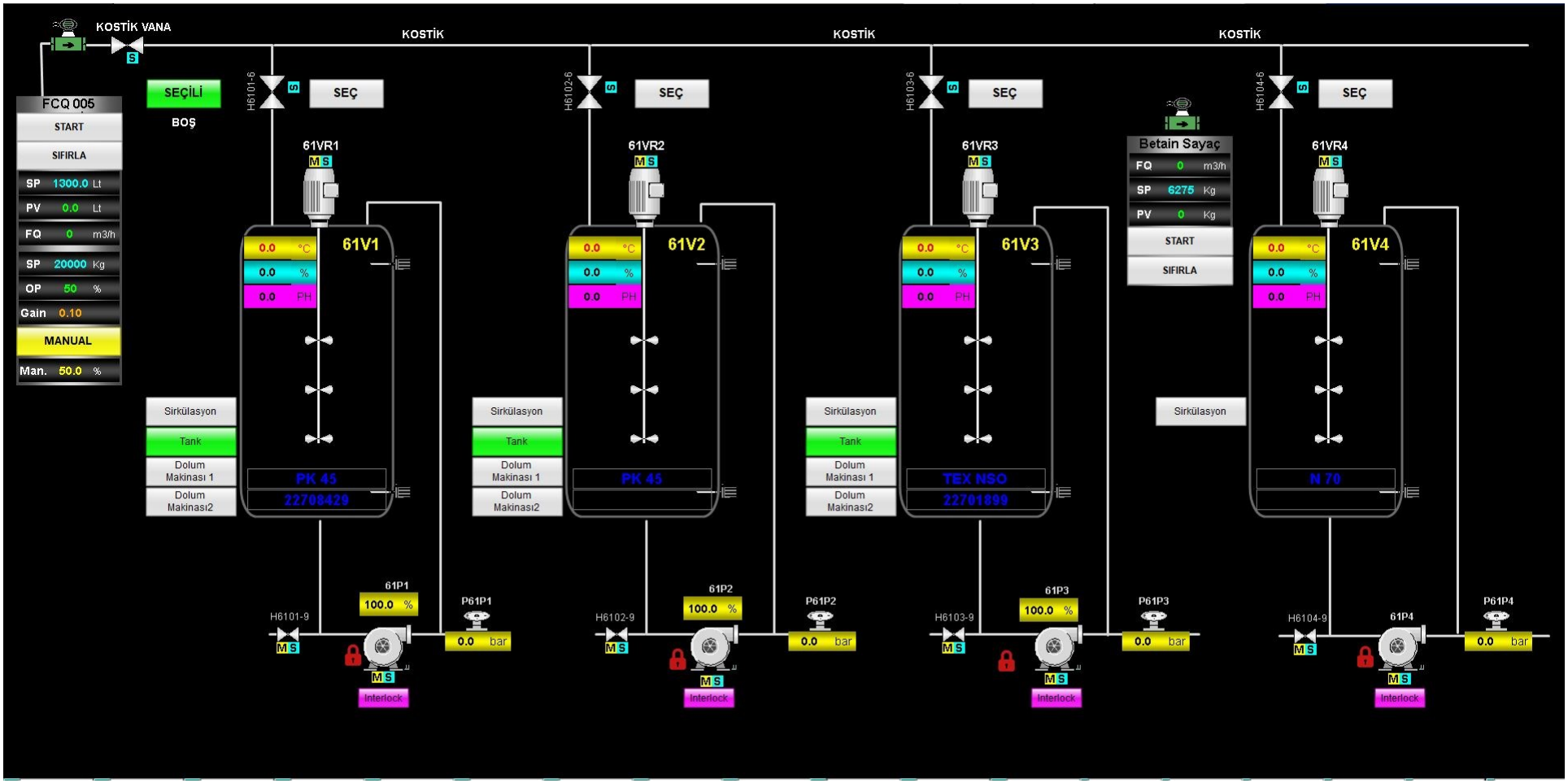
Sistemde kullanılan bir pompaya tanımlanmış çalışma şartlarının(Interlock) Online gösterimi.

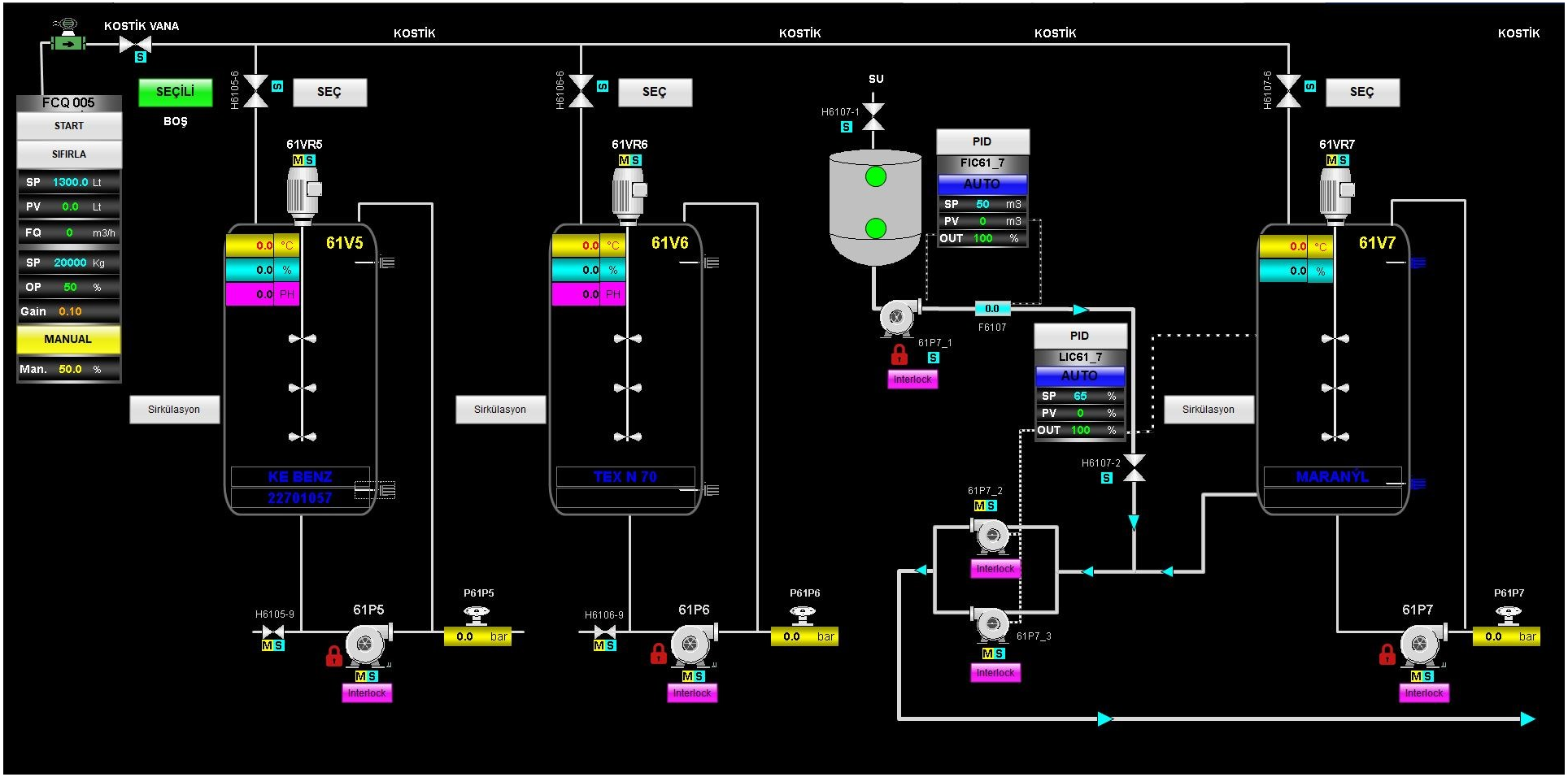


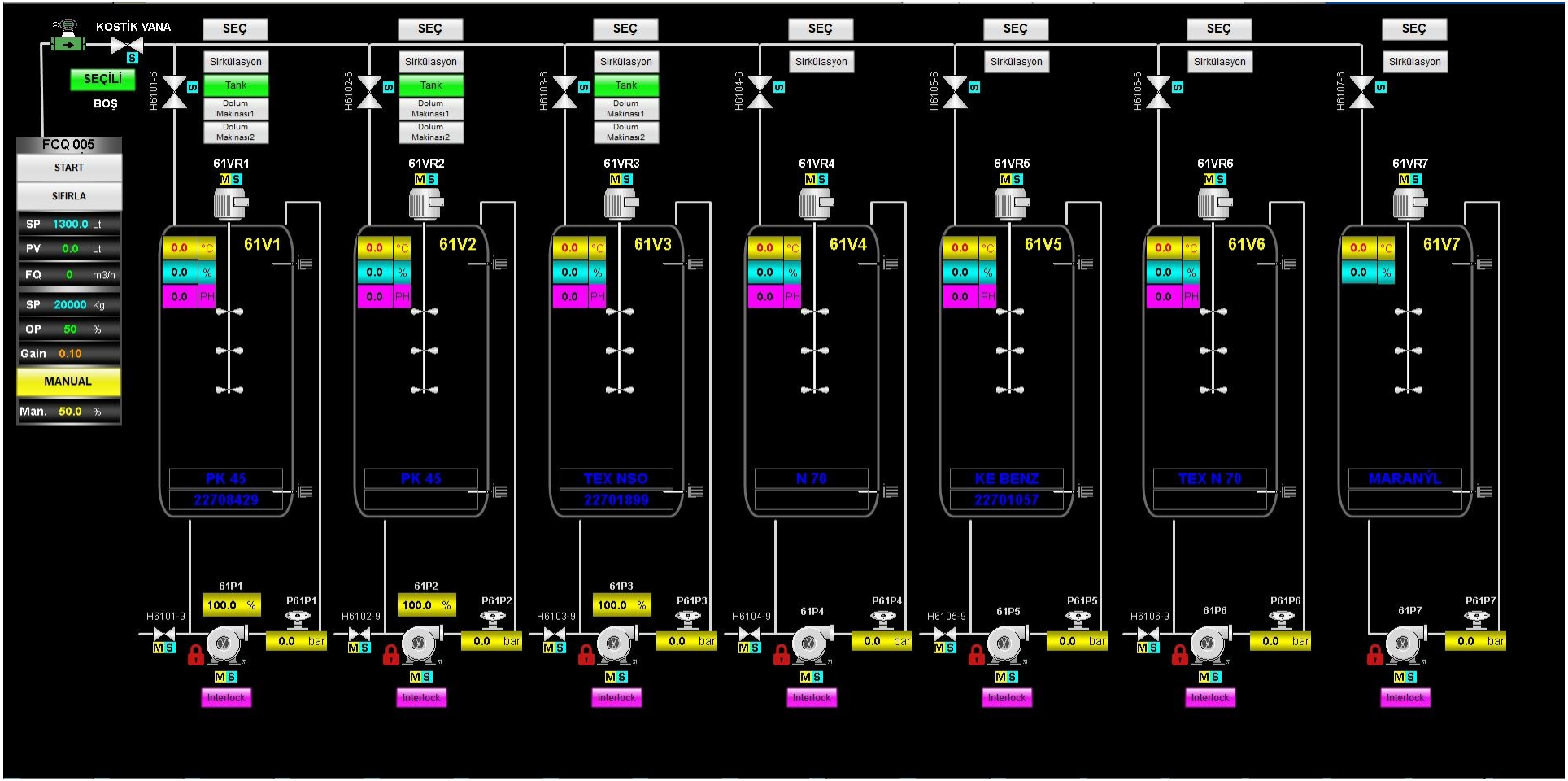
SOĞUTMA KULELERİ



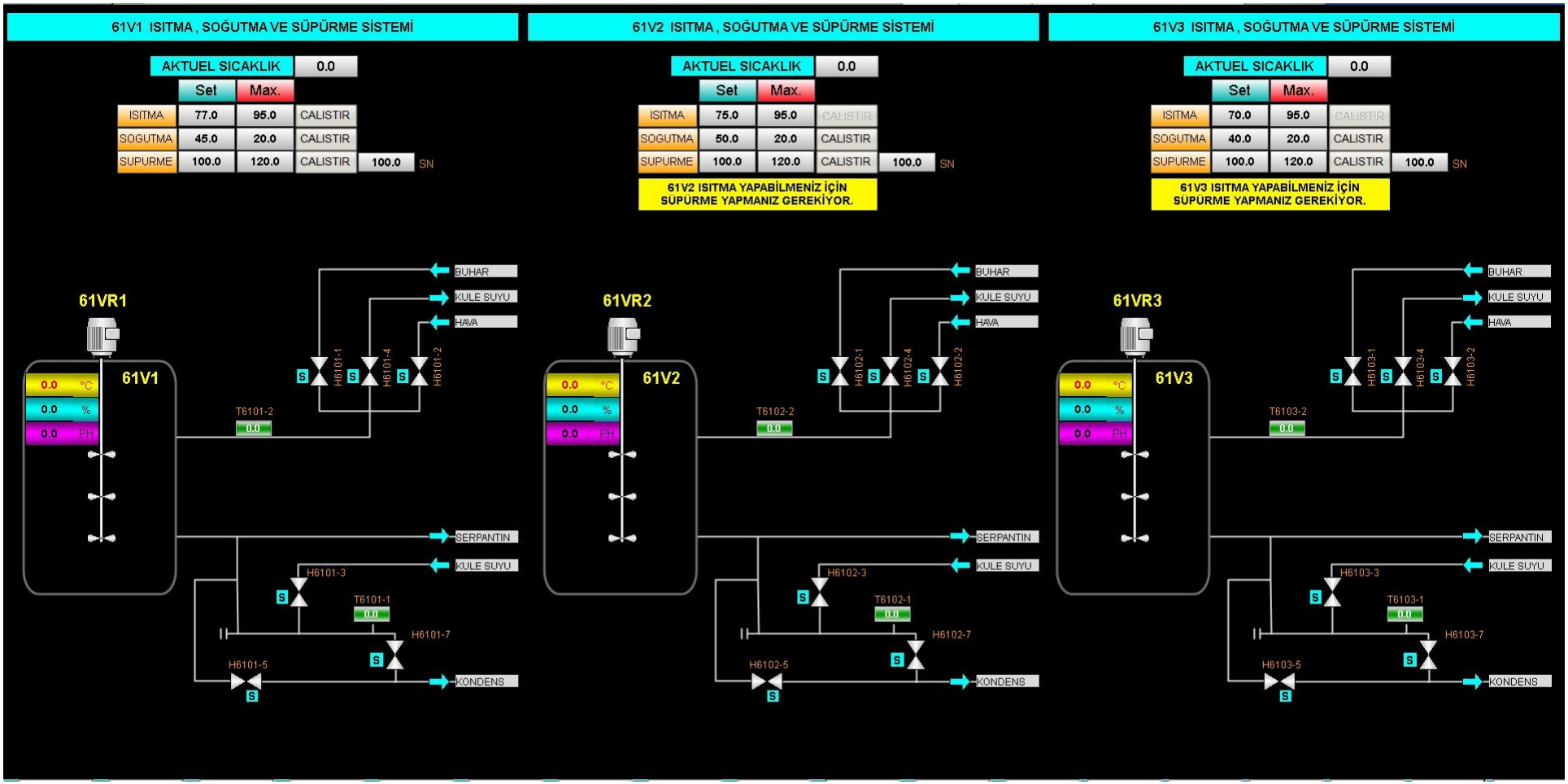
61 MAKİNALAR GRUBU



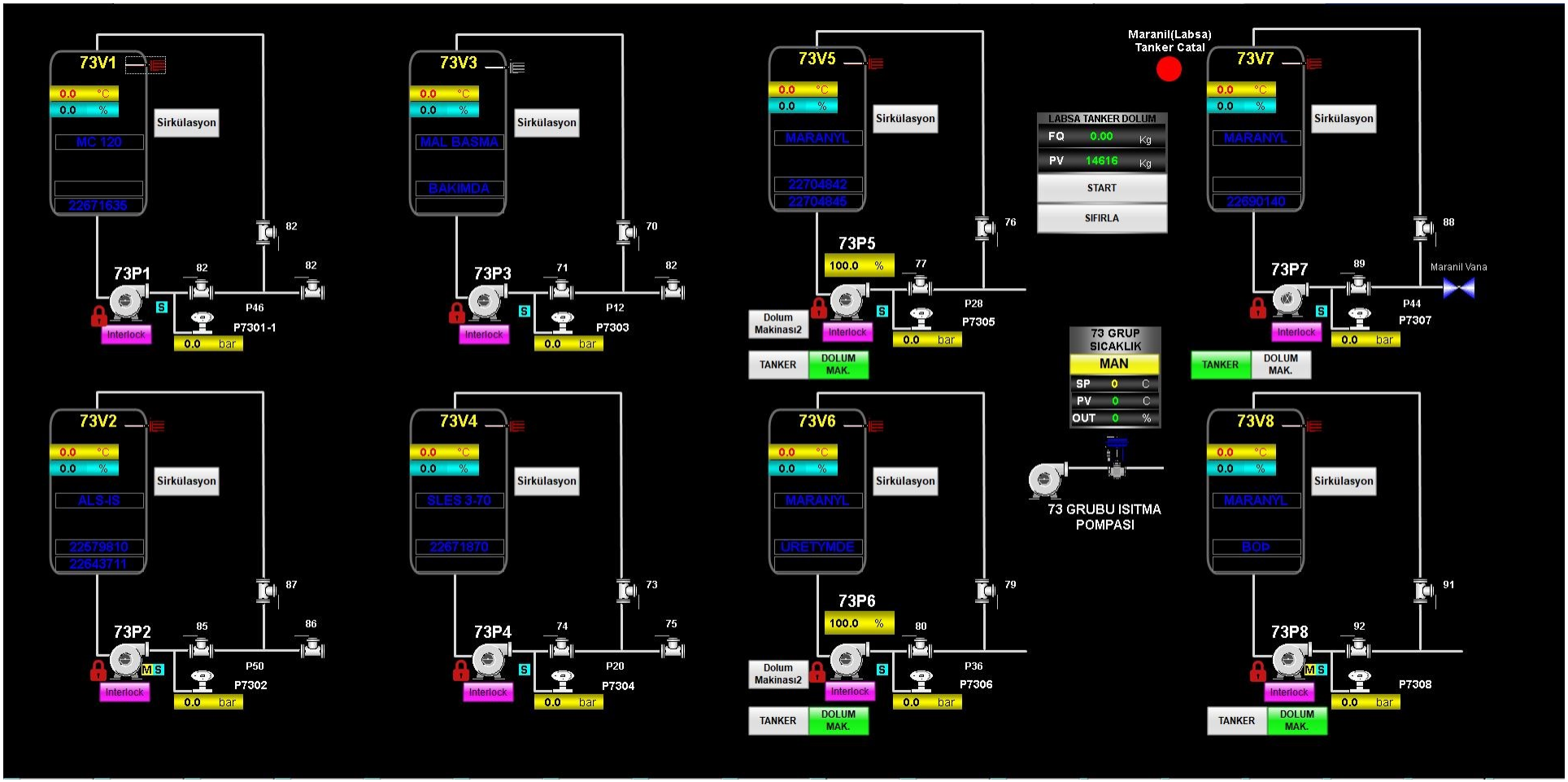

KOSTİK VANA
KOSTİK
KOSTİK
KOSTİK
KOSTİK
FCQ 005
START
SIFIRLA
SP 1300.0 Lt
PV 0.0 Lt
FQ 0 m3/h
SP 20000 Kg
OP 50 %
Gain 0.10
MANUAL
Man. 50.0 %
SEÇİLİ
BOŞ
SEÇ
SEÇ
SEÇ
H6105-5
H6106-5
H6107-5
61VR5
61VR6
61VR7
61V5
61V6
61V7
0.0 °C
0.0 %
0.0 PH
Sirkülasyon
Sirkülasyon
Sirkülasyon
KE BENZ
22701057
TEX N 70
MARANYL
SU
H6107-1
PID
FIC61_7
AUTO
SP 50 m3
PV 0 m3
OUT 100 %
61P7_1
Interlock
0.0
F6107
PID
LIC61_7
AUTO
SP 65 %
PV 0 %
OUT 100 %
H6107-2
61P7_2
Interlock
61P7_3
Interlock
H6106-9
61P5
P61P5
0.0 bar
Interlock
H6106-9
61P6
P61P6
0.0 bar
Interlock
61P7
P61P7
0.0 bar
Interlock

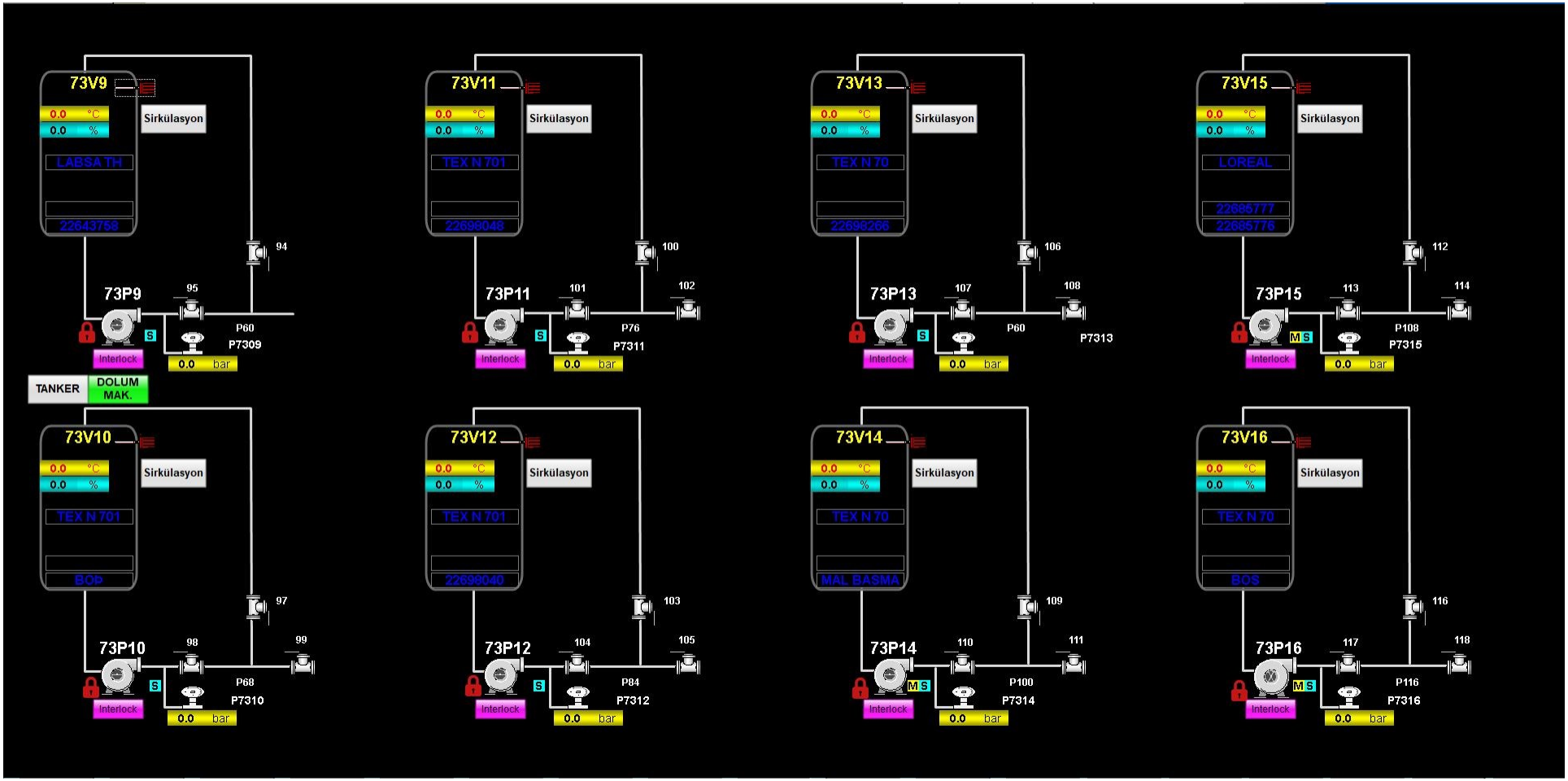

KOSTİK VANA
SEÇİLİ
BOŞ
FCQ 005
START
SIFIRLA
SP 1300.0 Lt
PV 0.0 Lt
FQ 0 m3/h
SP 20000 Kg
OP 50 %
Gain 0.10
MANUAL
Man. 50.0 %
SEÇ
Sirkülasyon
Tank
Dolum Makinası1
Dolum Makinası2
H6101-6
H6102-6
H6103-6
H6104-6
H6105-6
H6106-6
H6107-6
61VR1
61VR2
61VR3
61VR4
61VR5
61VR6
61VR7
61V1
61V2
61V3
61V4
61V5
61V6
61V7
PK 45
22708429
PK 45
TEX NSO
22701899
N 70
KE BENZ
22701057
TEX N 70
MARANYL
61P1
61P2
61P3
61P4
61P5
61P6
61P7
100.0 %
P61P1
P61P2
P61P3
P61P4
P61P5
P61P6
P61P7
0.0 bar
H6101-9
H6102-9
H6103-9
H6104-9
H6105-9
H6106-9
Interlock

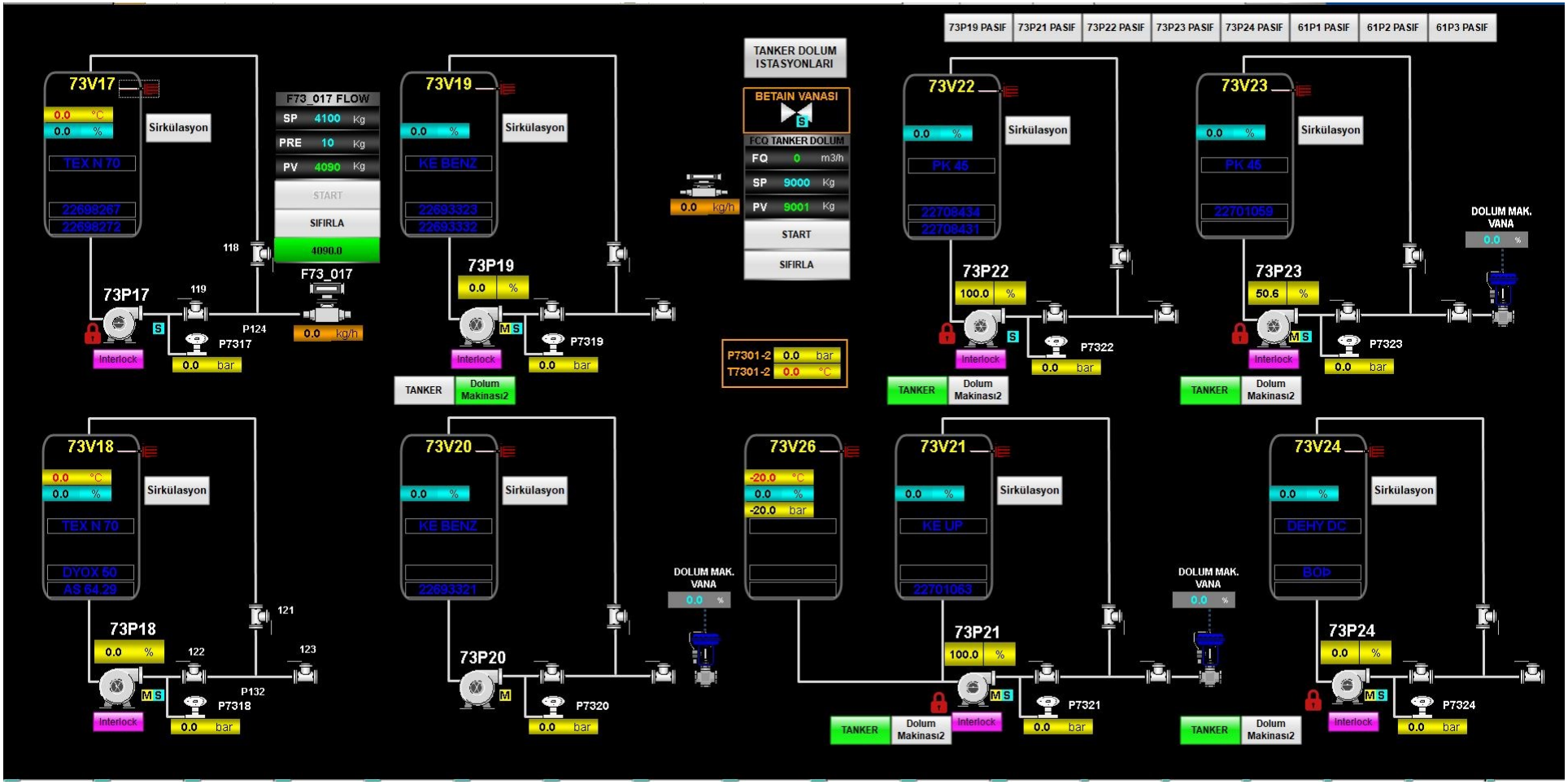
61 MAKINALAR GRUBU ISITMA SOGUTMA SİSTEMİ

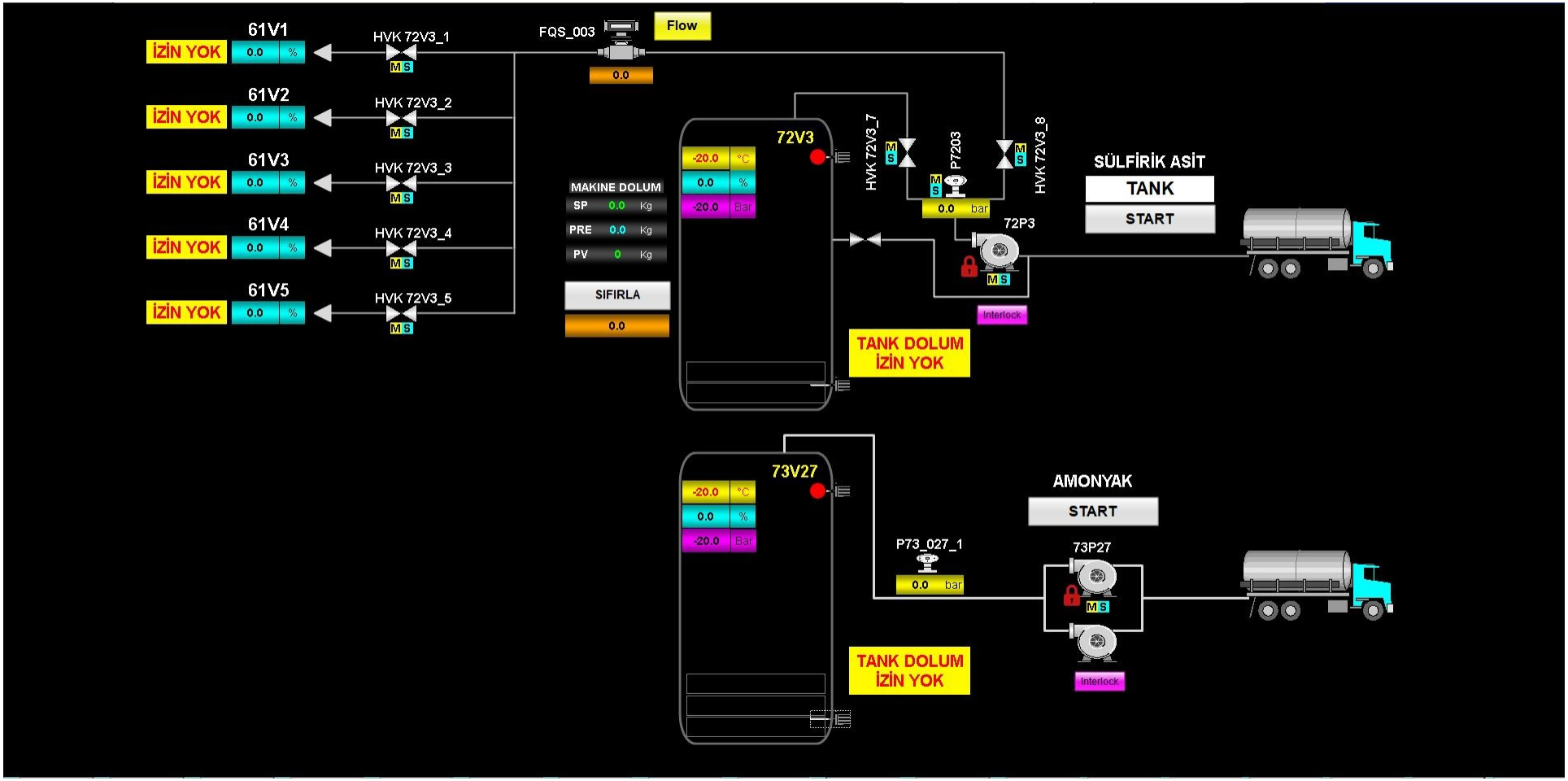


73 TANK SAHASI GRUBU

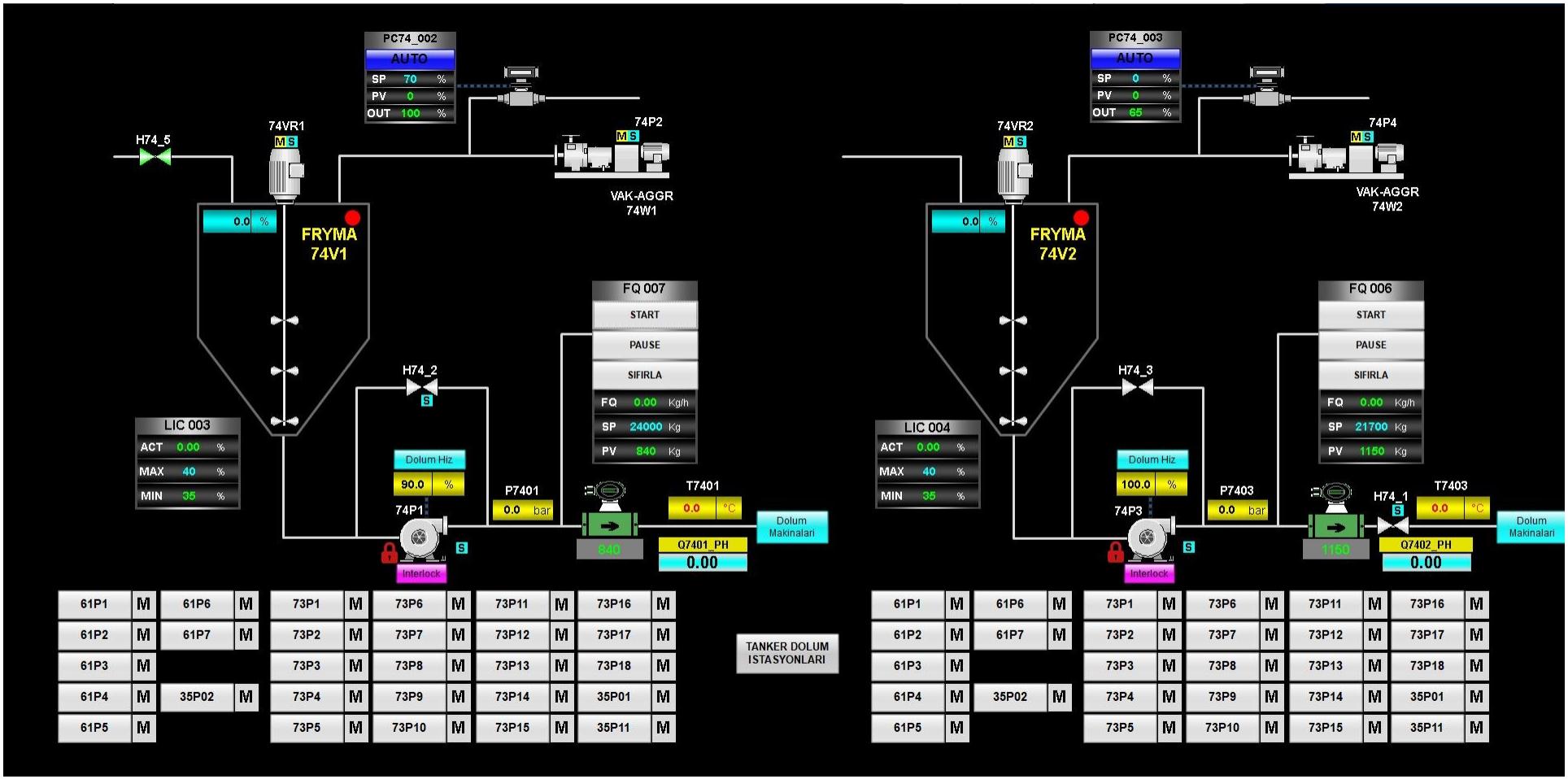



73V9
0.0 °C
0.0 %
Sirkülasyon
LABSA TH
22643758
94
73P9
95
S
P60
P7309
Interlock
0.0 bar
73V11
0.0 °C
0.0 %
Sirkülasyon
TEX N 701
22698048
100
73P11
101
102
S
P76
P7311
Interlock
0.0 bar
73V13
0.0 °C
0.0 %
Sirkülasyon
TEX N 70
22698266
106
73P13
107
108
S
P60
P7313
Interlock
0.0 bar
73V15
0.0 °C
0.0 %
Sirkülasyon
LOREAL
22685777
22685776
112
73P15
113
114
M S
P108
P7315
Interlock
0.0 bar
TANKER
DOLUM MAK.
73V10
0.0 °C
0.0 %
Sirkülasyon
TEX N 701
BOŞ
97
73P10
98
99
S
P68
P7310
Interlock
0.0 bar
73V12
0.0 °C
0.0 %
Sirkülasyon
TEX N 701
22698040
103
73P12
104
105
S
P84
P7312
Interlock
0.0 bar
73V14
0.0 °C
0.0 %
Sirkülasyon
TEX N 70
MAL BASMA
109
73P14
110
111
M S
P100
P7314
Interlock
0.0 bar
73V16
0.0 °C
0.0 %
Sirkülasyon
TEX N 70
BOŞ
116
73P16
117
118
M S
P116
P7316
Interlock
0.0 bar

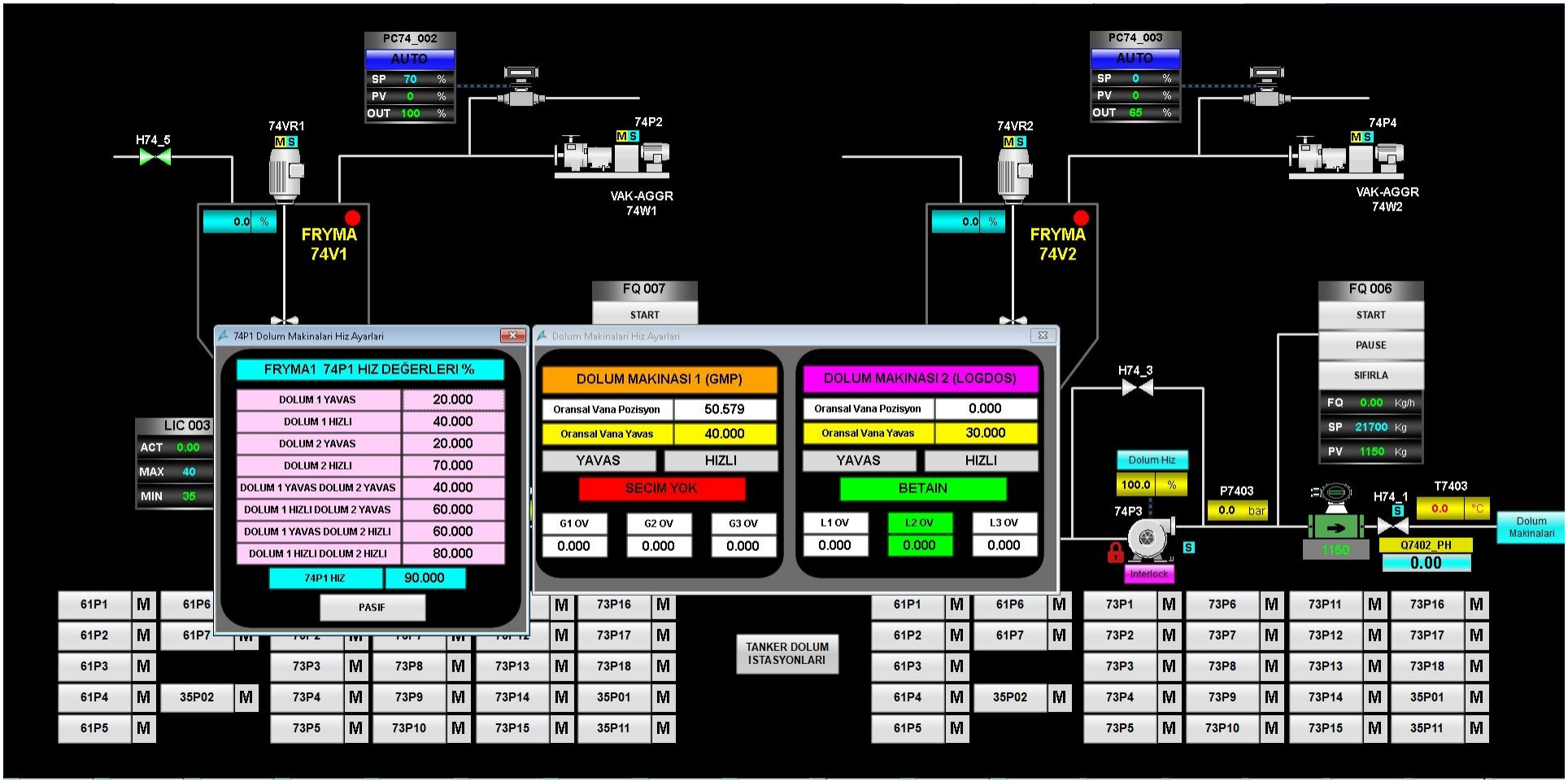

73P19 PASIF
73P21 PASIF
73P22 PASIF
73P23 PASIF
73P24 PASIF
61P1 PASIF
61P2 PASIF
61P3 PASIF
TANKER DOLUM ISTASYONLARI
BETAIN VANASI
FCO TANKER DOLUM
FQ 0 m3/h
SP 9000 Kg
PV 9001 Kg
START
SIFIRLA
73V17
0.0 °C
0.0 %
Sirkülasyon
TEX N 70
22698267
22698272
F73_017 FLOW
SP 4100 Kg
PRE 10 Kg
PV 4090 Kg
START
SIFIRLA
4090.0
F73_017
0.0 kg/h
118
119
73P17
P124
P7317
0.0 bar
Interlock
S
73V19
0.0 %
Sirkülasyon
KE BENZ
22693323
22693332
73P19
0.0 %
M S
Interlock
P7319
0.0 bar
TANKER
Dolum Makinası2
0.0 kg/h
P7301-2 0.0 bar
T7301-2 0.0 °C
73V22
0.0 %
Sirkülasyon
PK 45
22708434
22708431
73P22
100.0 %
S
Interlock
P7322
0.0 bar
TANKER
Dolum Makinası2
73V23
0.0 %
Sirkülasyon
PK 45
22701059
73P23
50.6 %
M S
Interlock
P7323
0.0 bar
TANKER
Dolum Makinası2
DOLUM MAK. VANA
0.0 %
73V18
0.0 °C
0.0 %
Sirkülasyon
TEX N 70
DYOX 50
AS 64.29
73P18
0.0 %
121
122
123
P132
P7318
M S
Interlock
0.0 bar
73V20
0.0 %
Sirkülasyon
KE BENZ
22693321
73P20
M
P7320
0.0 bar
DOLUM MAK. VANA
0.0 %
73V26
-20.0 °C
0.0 %
-20.0 bar
73V21
0.0 %
Sirkülasyon
KE UP
22701063
73P21
100.0 %
M S
Interlock
P7321
0.0 bar
TANKER
Dolum Makinası2
DOLUM MAK. VANA
0.0 %
73V24
0.0 %
Sirkülasyon
DEHY DC
BOĞ
73P24
0.0 %
M S
Interlock
P7324
0.0 bar
TANKER
Dolum Makinası2


61V1
İZİN YOK
0.0
%
HVK 72V3_1
M S
61V2
İZİN YOK
0.0
%
HVK 72V3_2
M S
61V3
İZİN YOK
0.0
%
HVK 72V3_3
M S
61V4
İZİN YOK
0.0
%
HVK 72V3_4
M S
61V5
İZİN YOK
0.0
%
HVK 72V3_5
M S
FQS_003
Flow
0.0
MAKINE DOLUM
SP 0.0 Kg
PRE 0.0 Kg
PV 0 Kg
SIFIRLA
0.0
72V3
-20.0 °C
0.0 %
-20.0 Bar
HVK 72V3_7
M S
P7203
M S
0.0 bar
HVK 72V3_8
M S
72P3
M S
Interlock
SÜLFİRİK ASİT
TANK
START
TANK DOLUM
İZİN YOK
73V27
-20.0 °C
0.0 %
-20.0 Bar
P73_027_1
0.0 bar
AMONYAK
START
73P27
M S
Interlock
TANK DOLUM
İZİN YOK

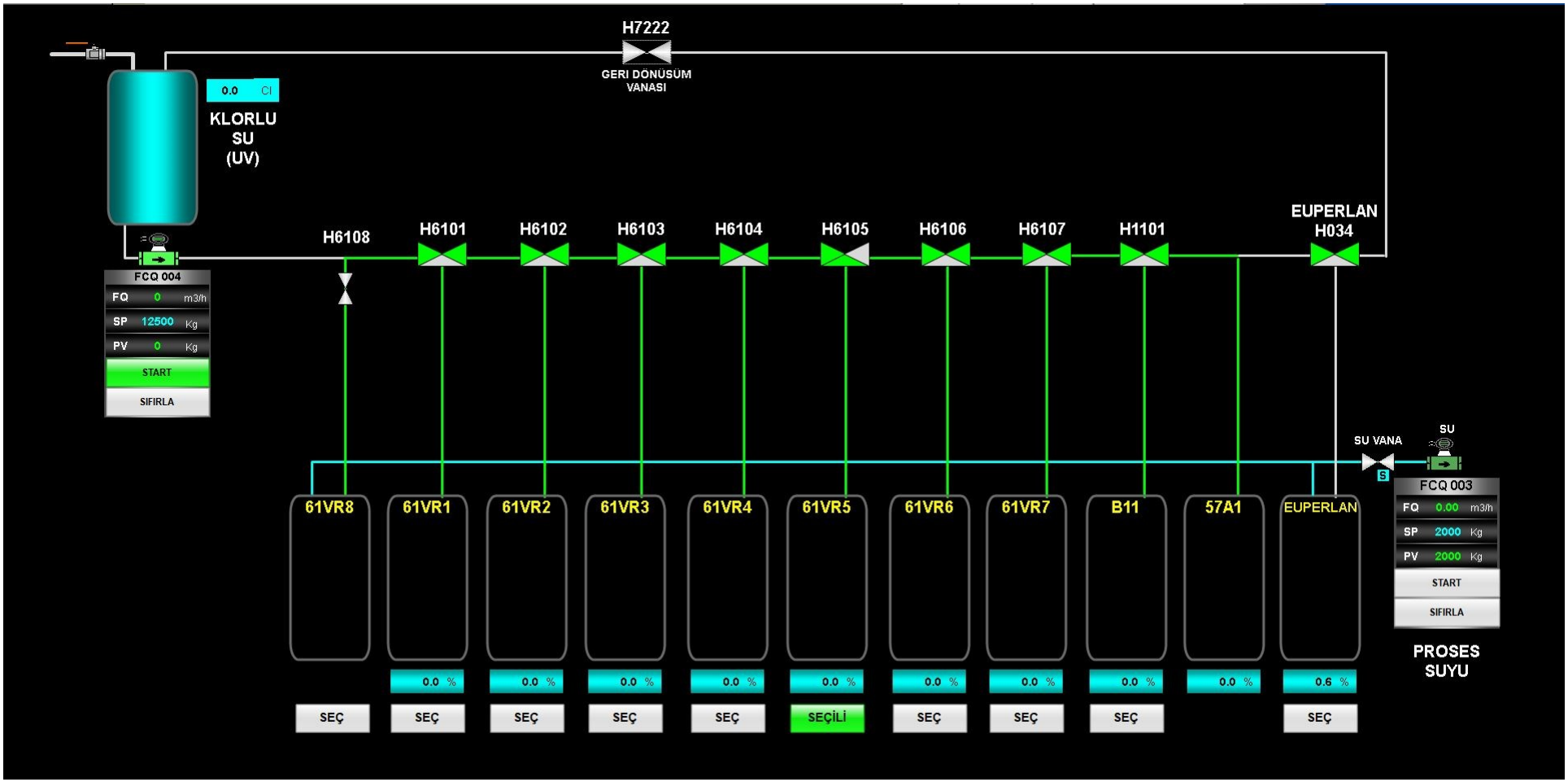
74 FRYMA GRUBU



74 FRYMA GRUBU DOLUM MAKINASI SECIMLERI

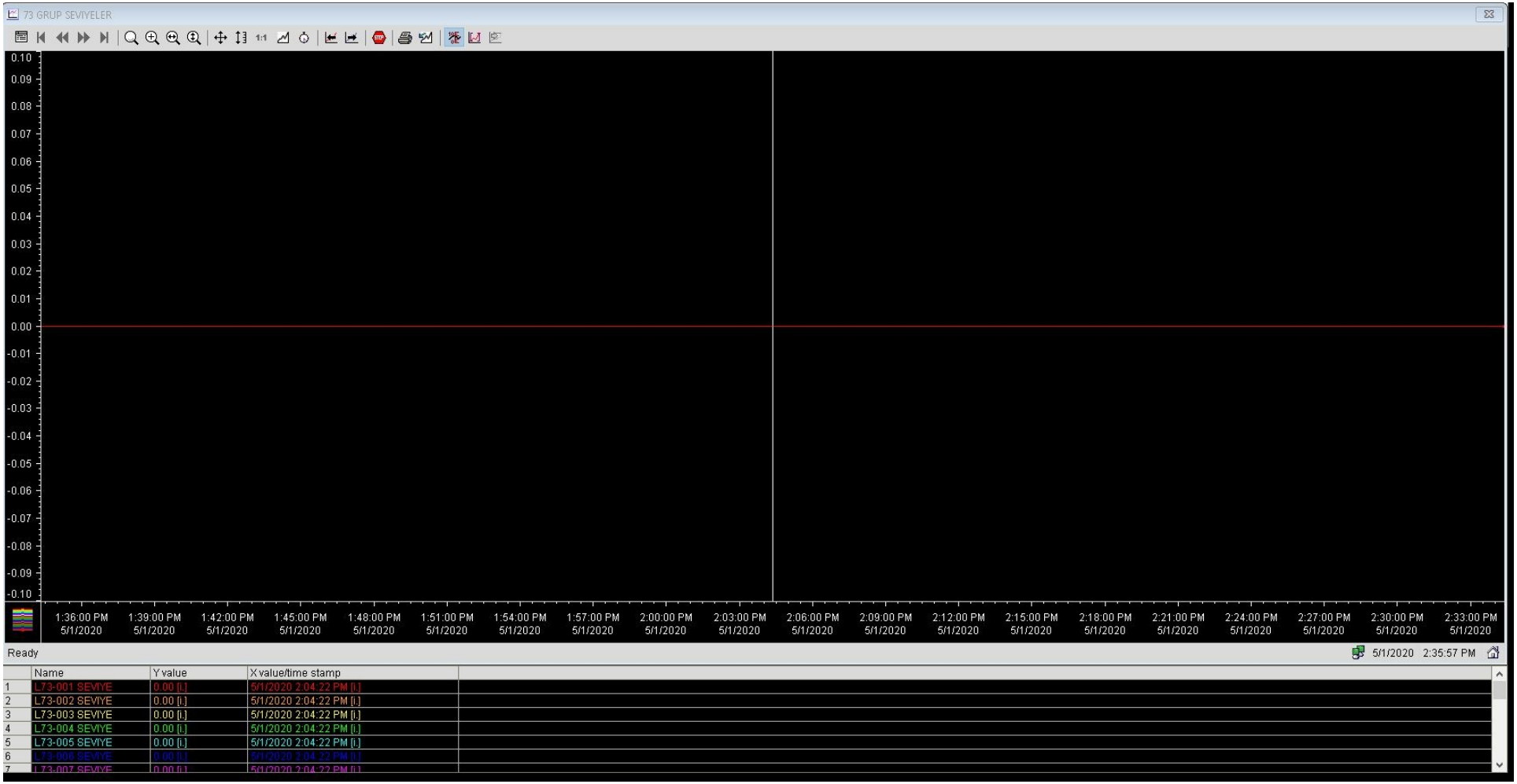


SU DOZAJLAMA



ANALOG DEĞERLERIN KAYIT EDİLMESİ VE TREND OLARAK GÖSTERİMİ




73 GRUP SEVIYELER
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
-0.08
-0.09
-0.10
1:36:00 PM 5/1/2020
1:39:00 PM 5/1/2020
1:42:00 PM 5/1/2020
1:45:00 PM 5/1/2020
1:48:00 PM 5/1/2020
1:51:00 PM 5/1/2020
1:54:00 PM 5/1/2020
1:57:00 PM 5/1/2020
2:00:00 PM 5/1/2020
2:03:00 PM 5/1/2020
2:06:00 PM 5/1/2020
2:09:00 PM 5/1/2020
2:12:00 PM 5/1/2020
2:15:00 PM 5/1/2020
2:18:00 PM 5/1/2020
2:21:00 PM 5/1/2020
2:24:00 PM 5/1/2020
2:27:00 PM 5/1/2020
2:30:00 PM 5/1/2020
2:33:00 PM 5/1/2020
Ready
5/1/2020 2:35:57 PM
Name
Y value
X value/time stamp
1 L73-001 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
2 L73-002 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
3 L73-003 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
4 L73-004 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
5 L73-005 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
6 L73-006 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]
7 L73-007 SEVIYE 0.00 [i.] 5/1/2020 2:04:22 PM [i.]

KOSTİK ISITMA DEVRELERİ

