



Referințe

Alba street, No. 2,
Postal code 500188 / Brasov, Romania

www.control-point.ro www.electro-point.ro www.solar-point.ro

+40 748 321 641
+40 751 247 449
+40 751 247 247



Scurt istoric

- Companie românească înființată în 2005
- Sediul în Brașov
- Un portofoliu vast de proiecte implementate cu succes
- Piața: România, Austria, Italia, Grecia, Germania, Olanda, Norvegia, Finlanda, Franța, UK, Ungaria, La Reunion, Sudan, Iran, Nigeria
- Partener VALMET Automation - servicii de inginerie software și hardware

Grupul Control Point



www.control-point.ro



www.electro-point.ro



www.solar-point.ro

Proiectare – Instalare - Punere in Funcțiune – Mentenanța - Inspecții

Automatizări

Instalații electrice

Securitate

Tehnica Solara

Termocentrale

Hidrocentrale

Biomasă

Energie din deșeuri

Fabrici de celuloză si hârtie

Industria alimentară

Construcții comerciale, birouri

Hale industriale

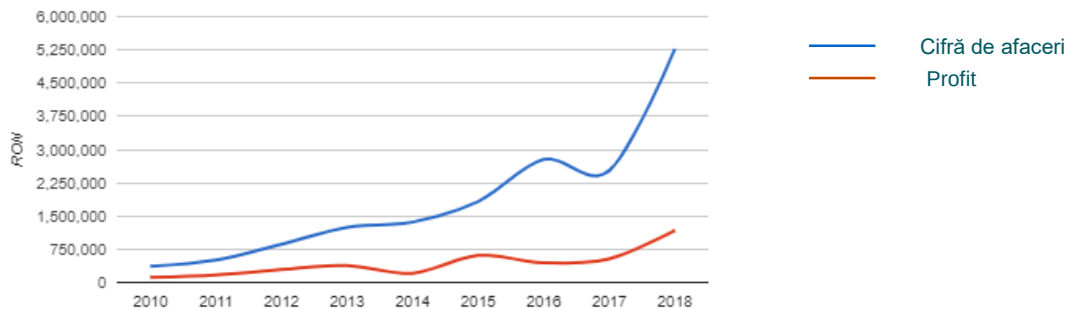
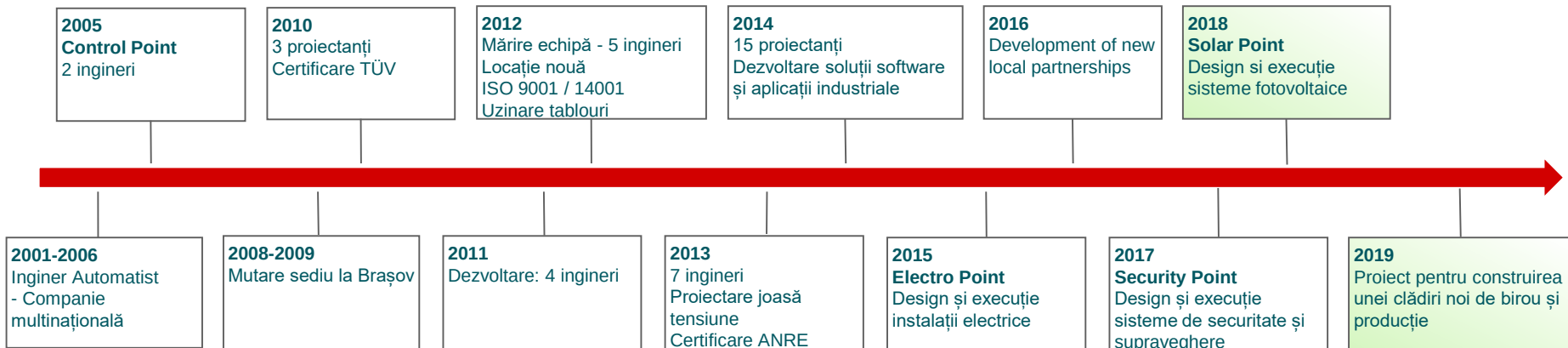
Comercial

Industrial

Retail

Rezidențial

Dezvoltare



Portofoliu



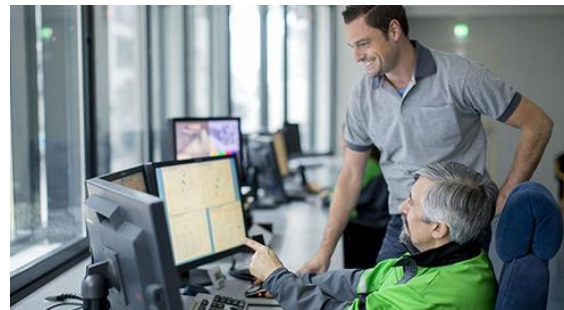
Certificări

- ISO 9001:2008, ISO 14001:2004, ISO 29001
- Certificare TÜV SCC (Europe)
- Certificare VCA (BeNelux)
- ANRE
- ISCIR
- GANEx



Servicii oferite

- ✓ Proiectare și execuție instalații electrice și automatizare
- ✓ Uzinare tablouri electrice si de automatizare
- ✓ Testare și punere în funcțiune
- ✓ Service și mentenanță



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Automatizare

A. Energie din deseuri

1. Incinerare cu recuperarea energiei din deseuri municipale solide și industriale

- Soluție matură EfW prin ardere pe grătar, producere de energie, tratarea gazelor de ardere și recuperarea materialelor

2. Recuperarea energiei prin tratare biologică în mediu anaerob (AD – mediu uscat)

- Fermentarea uscată în digestoare din oțel sau beton pentru recuperarea energiei și a materialelor și tratarea biogazului pentru a fi introdus în rețeaua de gaze naturale

Automatizare

A. Energie din deseuri

Proiect:

Ferrybridge 2, UK

2 x linii

Capacitate: 675,000 t/a

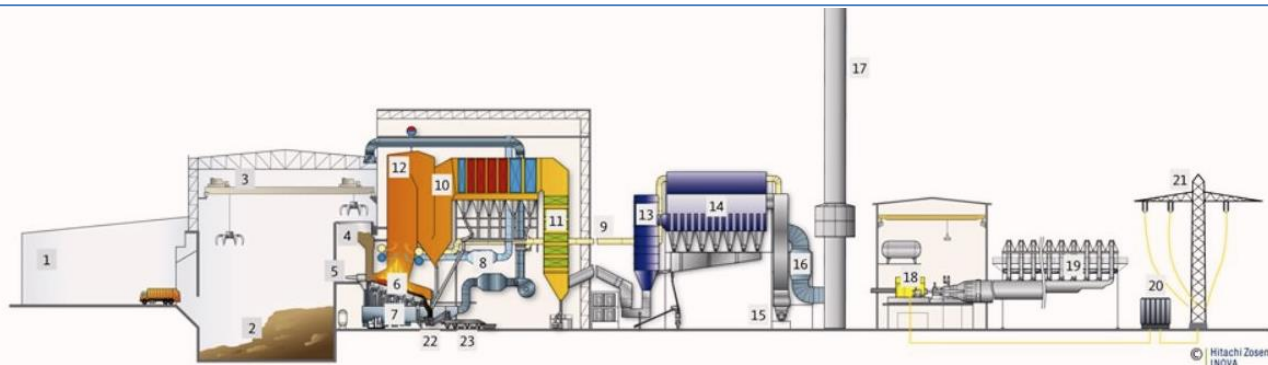
Termic: 117 MWh

Energie: 85 MW

Proiecte asemanatoare:

- Ferrybridge 1, UK
- H&W, UK
- Buckinghamshire, UK

1. Incinerare cu recuperarea energiei din deseuri municipale solide și industriale



Waste Receiving and Storage

- 1 Delivery hall
- 2 Waste bunker
- 3 Waste crane

Combustion and Boiler

- 4 Feed hopper
- 5 Ram feeder
- 6 HZI grate
- 7 Primary air system
- 8 Secondary air system
- 9 Flue gas recirculation
- 10 Five-pass boiler
- 11 Economiser

Flue Gas Treatment

- 12 Ammonia injection
- 13 HZI SemiDry reactor
- 14 Fabric filter
- 15 Induced draught fan
- 16 LP preheater
- 17 Stack

Energy Recovery

- 18 Turbine
- 19 Air cooled condenser
- 20 Transformer
- 21 Electricity export

Residue Handling and Treatment

- 22 Bottom ash extractor
- 23 Bottom ash conveying

Automatizare

A. Energie din deseuri

Proiect:

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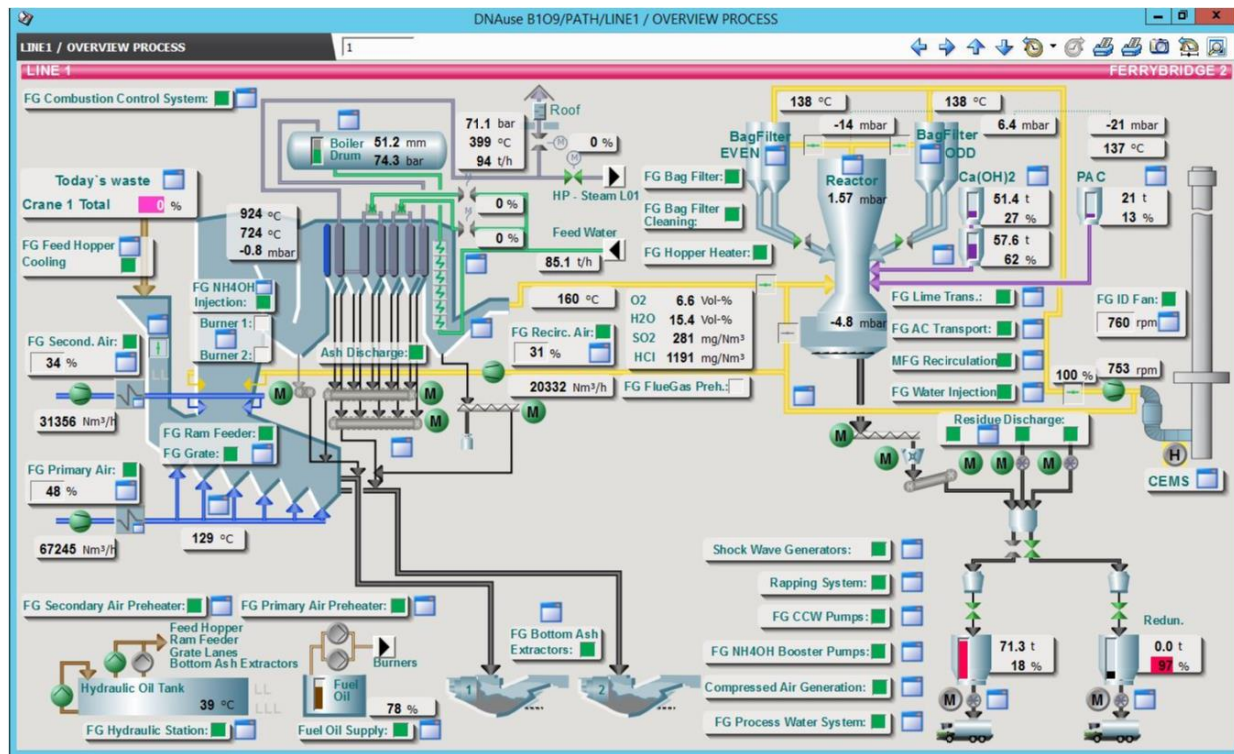
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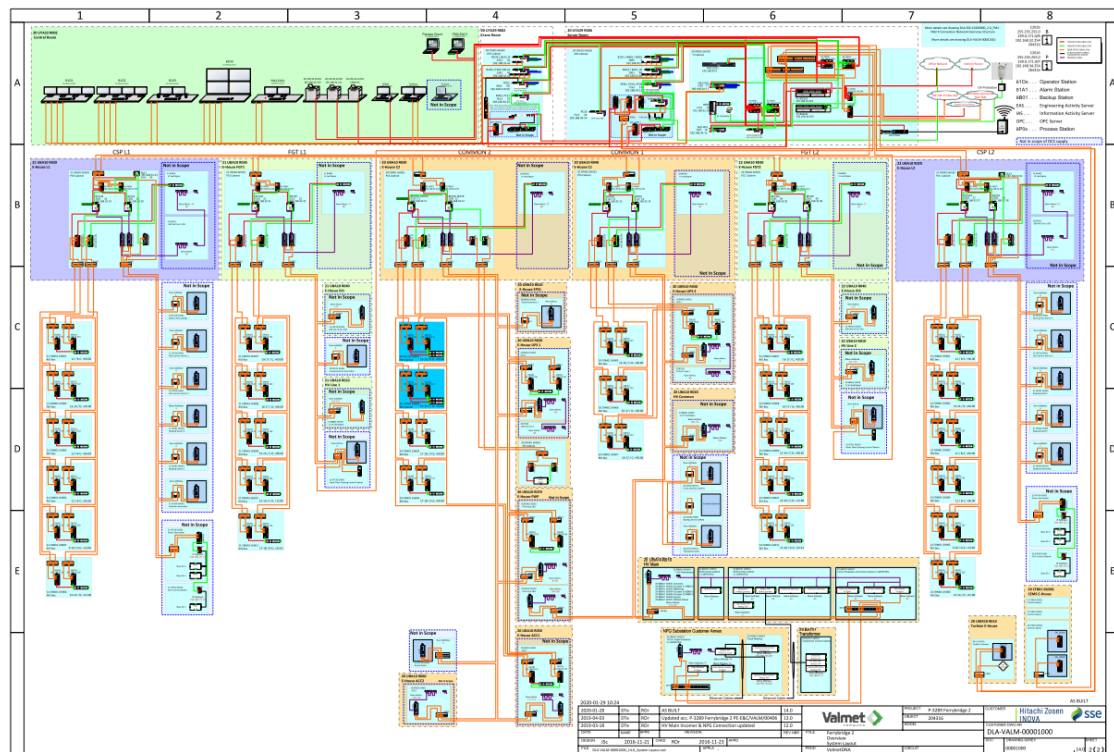
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- Ferrybridge 1, UK
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1. Incinerare cu recuperarea energiei din deseuri municipale solide și industriale



Automatizare

A. Energie din deseuri

Proiect:

Epirus, Grecia

2 x PF1500

Capacitate: 38,700 tone / an

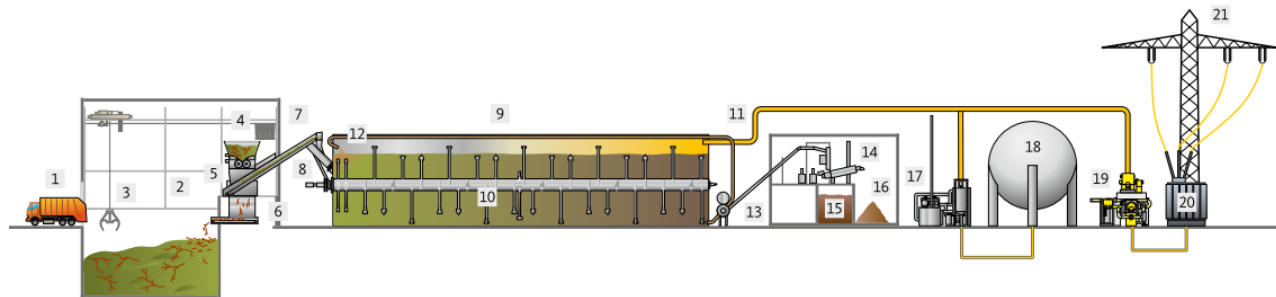
Biogas: 54,400,000 NM³/a

Energie: 11,500 MWh/a

Proiecte asemanatoare:

- Foligno, Italia
- Nanjing, China
- Chongqing, China

2. Recuperarea energiei prin tratare biologică în mediu anaerob (AD – mediu uscat)



Waste Receiving and Storage

- 1 Waste receiving
- 2 Waste bunker
- 3 Waste crane

Anaerobic Digestion

- 4 Shredder
- 5 Sieve
- 6 Sieve rejects
- 7 Conveying system
- 8 Feeding system
- 9 Digester
- 10 Agitator
- 11 Biogas pipe

Discharge

- 12 Inoculation pipe
- 13 Discharge system
- 14 Dewatering press
- 15 Liquid digestate
- 16 Solid digestate

Energy Utilization

- 17 Biogas upgrading
HZI BioMethan®
- 18 Gas storage
- 19 Combined heat
and power plant
- 20 Transformer
- 21 Electricity export

Automatizare

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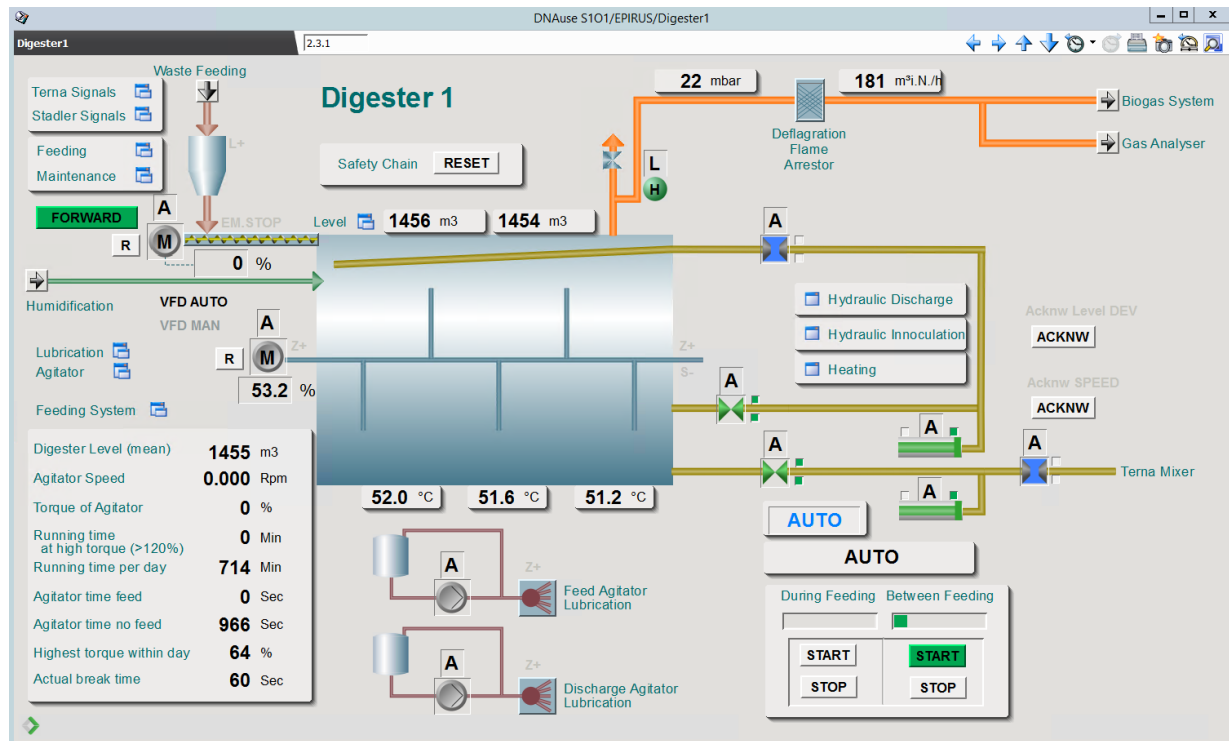
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2. Recuperarea energiei prin tratare biologică în mediu anaerob (AD – mediu uscat)

DNAuse S101/EPIRUS/Digester Feeding System

Digester Feeding System 1.2

Digester Feed MFG

START 10 DO2WFeedSTOP

STOP

Common AUTO AUTO
Digester 1 AUTO AUTO
Digester 2 AUTO AUTO

Feeding system Stadler is ready to start
Feeding to Digester 1 started
Feeding to Digester 2 started
Last stop was immediate stop on D1
Last stop was immediate stop on D2

Total Weight 42240 kg
Stadler Terna
Emerg Stop Stadler D1
Emerg Stop Stadler D2

Feeding RESET
Digester 1 RESET
Digester 2 RESET

Solid Waste Feed Digester 1 RESET ACTIVE

Screw C. Hopp. ALARM
Screw C. Torq. ALARM
Screw C. Hopp. Clearing Time 30 sec
Screw C. Torq. Clearing Time 20 sec
Plug Screw Start DT Nr. Stop 75 sec
Plug Screw Start DT Im. Stop 3 sec
Plug Screw Stop DT Nr. Stop 170 sec
Plug Screw Stop DT until 'Feeding Running' 135.0 sec

START
STOP

Start Time End Time Order 1
Today 00:15 23:30
Next Day 00:15 23:30

Total Amount Today 32000 kg
Total Amount Next Day 32000 kg
Cycles No. Today 28 Cycl
Cycles No. Next Day 29 Cycl
Max Torque Plug Screw 120 %
Amount / Inoculation Stroke 600 kg
Actual Feed Amount Today 21110 Kg
Actual Feed Amount 0.0 kg
Calculated Amount / Cycle 1089 kg
Actual Feeding Cycles 18 Cycl
Ac. Tim. Feed. / Cycle 0 Min 24 Min
Cycle Counter Reset

Actual Time Feeding Material 0 Min
Volume Inoculation per Day 7 m3/d
Specific Inoc. Rate Substrate 0.33 m3/t
Spec. Inoc. Rate + Humidif. 0.33 m3/t
Hydraulic Retention time 197 d
Hydraulic Cycle time 101 d
Specific Heat Energy Substr. 6 kWh/t
Spec. Heat Energy + Humidif. 6 kWh/t
Auxiliary power consumption 6 kWh/t
1ECB10AF100 Run/feed cycle 0 Min
1ECB10AF100 Run/day 142 Min

Inoculation performed Today 35 Strk
Pending Inoculation Strokes 0 Strk

Humidification OFF N_LEAKAGE
Calc. Amount Humid / Cycle 0.0 L
Actual Humid. Today 0.0 L
Actual Humid. / Cycle 0.0 L

Humid. / kg Today 0.00 L
Humid. / kg Next Day 0.000 unit
Humid. Ratio Tnk.1 0.0 %
Humid. Ratio Tnk.1 Next Day 0.0 %

Solid Waste Feed Digester 2 RESET ACTIVE

Screw C. Hopp. ALARM
Screw C. Torq. ALARM
Screw C. Hopp. Clearing Time 30 sec
Screw C. Torq. Clearing Time 20 sec
Plug Screw Start DT Nr. Stop 75 sec
Plug Screw Start DT Im. Stop 3 sec
Plug Screw Stop DT Nr. Stop 170 sec
Plug Screw Stop DT until 'Feeding Running' 135.0 sec

START 6 WeightReached
STOP

Start Time End Time Order 2
Today 00:15 23:30
Next Day 00:15 23:30

Total Amount Today 32000 kg
Total Amount Next Day 32000 kg
Cycles No. Today 28 Cycl
Cycles No. Next Day 29 Cycl
Max Torque Plug Screw 120 %
Amount / Inoculation Stroke 600 kg
Actual Feed Amount Today 20040 Kg
Actual Feed Amount 1090.0 Kg
Calculated Amount / Cycle 1087 kg
Actual Feeding Cycles 18 Cycl
Ac. Tim. Feed. / Cycle 19 Min 24 Min
Cycle Counter Reset

Actual Time Feeding Material 3 Min
Volume Inoculation per Day 7 m3/d
Specific Inoc. Rate Substrate 0.33 m3/t
Spec. Inoc. Rate + Humidif. 0.33 m3/t
Hydraulic Retention time 22 d
Hydraulic Cycle time 20 d
Specific Heat Energy Substr. 15 kWh/t
Spec. Heat Energy + Humidif. 15 kWh/t
Auxiliary power consumption 6 kWh/t
2ECB10AF 100 Run/feed cycle 3 Min
2ECB10AF 100 Run/day 148 Min

Inoculation performed Today 33 Strk
Pending Inoculation Strokes 0 Strk

Humidification OFF N_LEAKAGE
Calc. Amount Humid / Cycle 0.0 L
Actual Humid. Today 0.0 L
Actual Humid. / Cycle 0.0 L

Humid. / kg Today 0.00 L
Humid. / kg Next Day 0.000 L
Humid. Ratio Tnk.1 0.0 %
Humid. Ratio Tnk.1 Next Day 0.0 %

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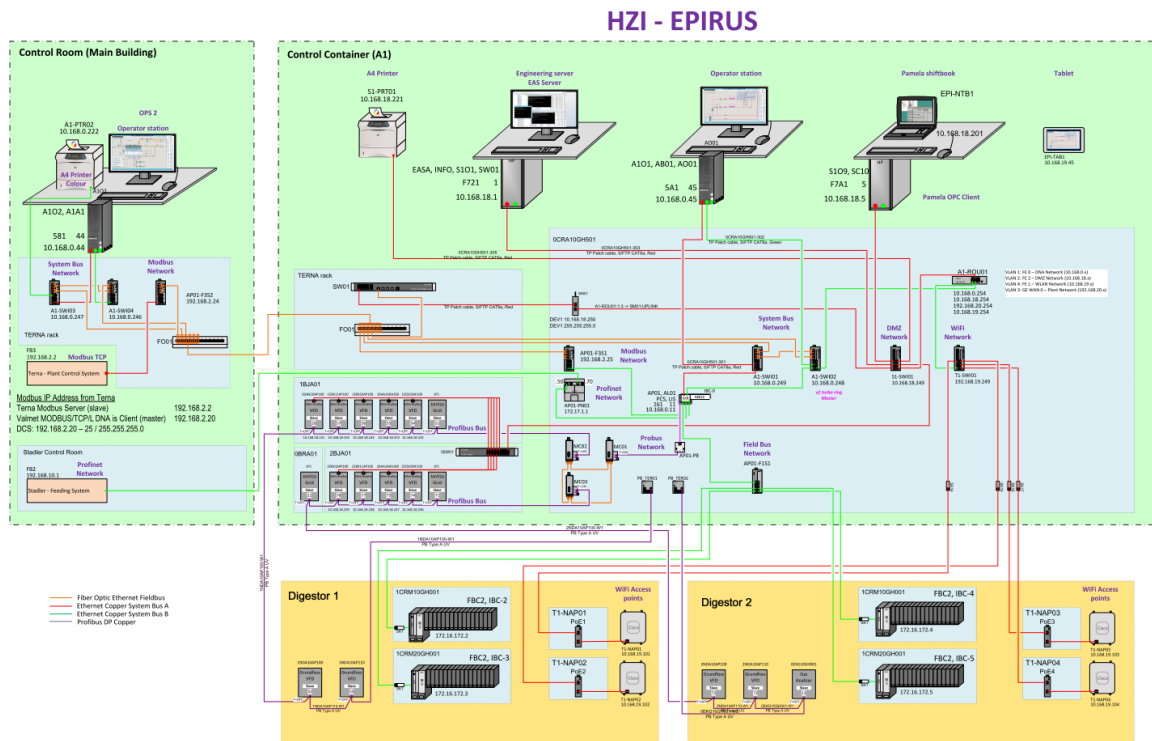
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2. Recuperarea energiei prin tratare biologică în mediu anaerob (AD – mediu uscat)



Automatizare

B. Turbine pe gaz

1. **Zielitz / Germania**– K&S KALI 2 x Solar Taurus 60S*** 6.3 MW
2. **Unterbrizbach / Germania** – K&S KALI 2 x Solar Taurus 60S*** 6.3 MW
3. **Hattorf Germania** – K&S KALI 2 x Solar Taurus 60S*** 6.3 MW
4. **Omoku / Nigeria**– FIPL 1 x GE Nuovo Pignone Frame 5 25MW
5. **Transamadi / Nigeria** – FIPL 1 x GE Nuovo Pignone Frame 5 25MW

C. Turbine pe abur

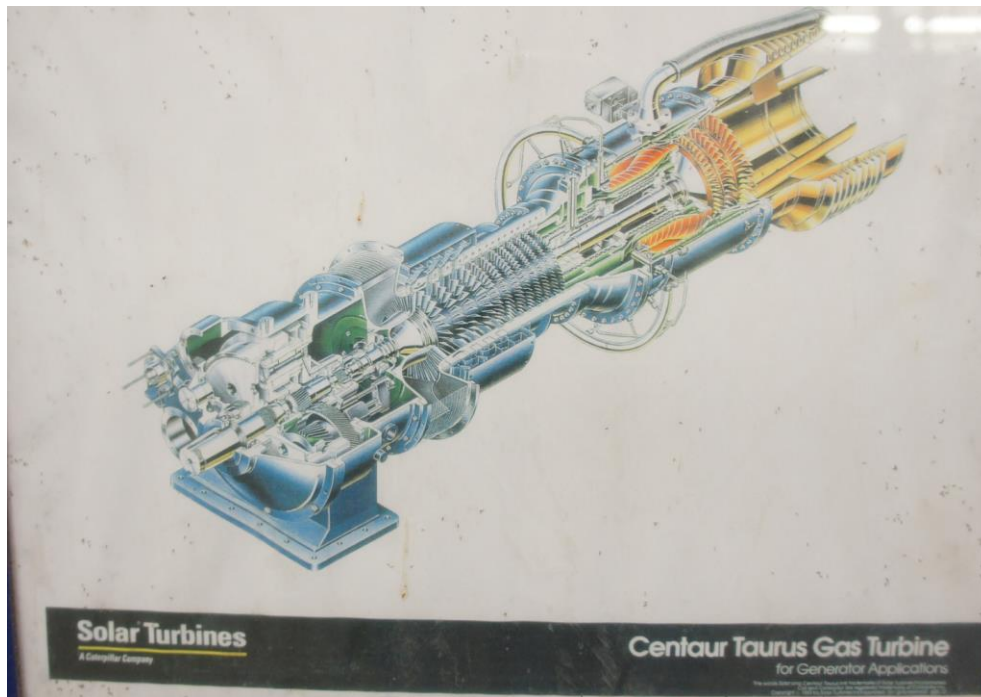
1. **Zellstoff / Germania**– Stendal 1 x turbina
2. **Nettingsdorfer / Germania** – Smurfit Kappa 1 x turbina

Automatizare

B. Turbine pe gaz

Proiect:

1. **Zielitz / Germania**– K&S
KALI 2 x turbine Solar Taurus
60S*** 6.3 MW
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K&S KALI 2 x turbine Solar
Taurus 60S*** 6.3 MW
3. **Hattorf Germania** – K&S
KALI 2 x turbine Solar Taurus
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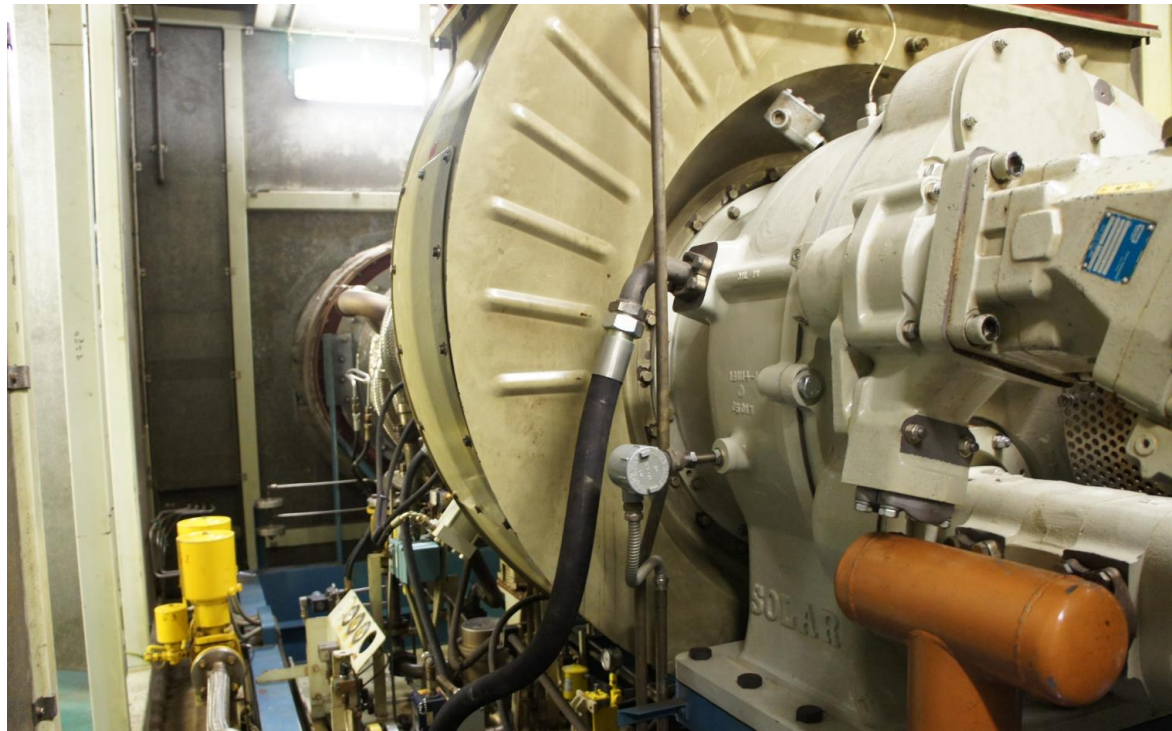


Automatizare

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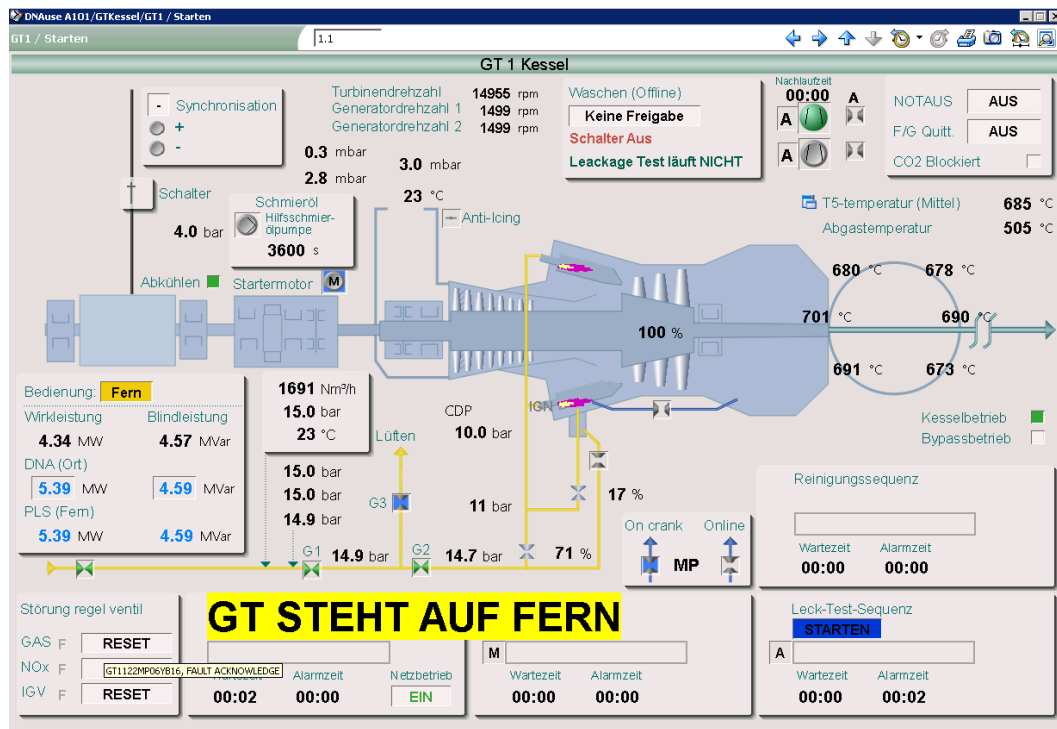


Automatizare

B. Turbine pe gaz

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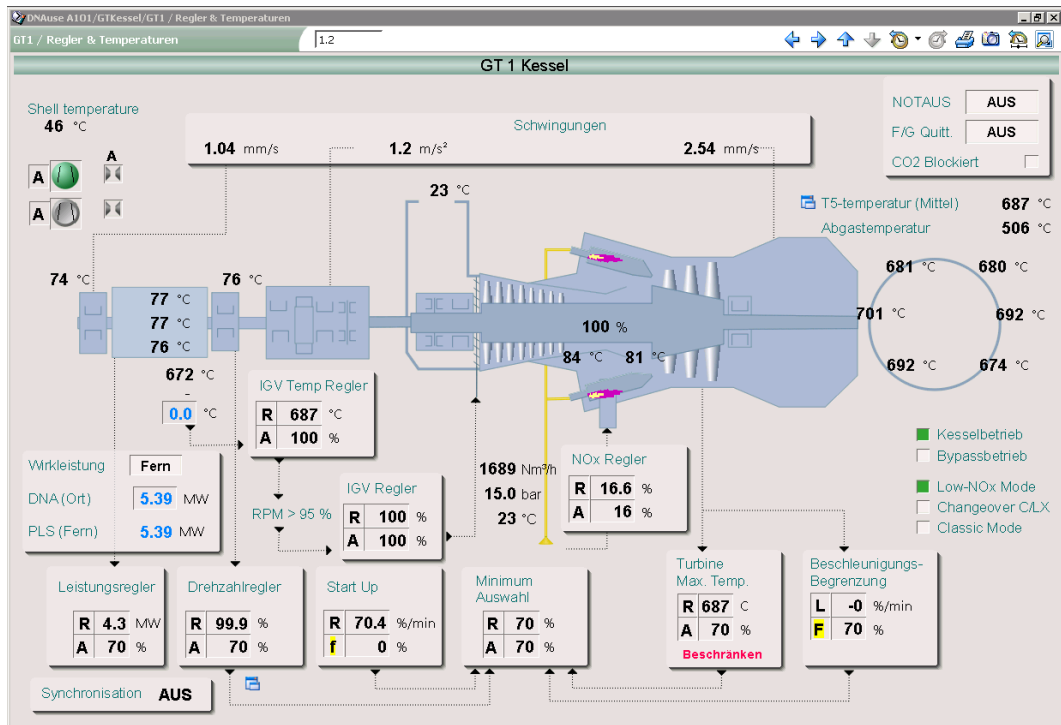


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3. **Hattorf Germania – K&S**
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6.3 MW



Automatizare

B. Turbine pe gaz

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KALI 2 x Solar Taurus 60S***
6.3 MW
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K&S KALI 2 x Solar Taurus
60S*** 6.3 MW
3. **Hattorf Germania – K&S**
KALI 2 x Solar Taurus 60S***
6.3 MW

KW Unterbreitzbach



Automatizare

B. Turbine pe gaz

Proiect:

5. **Omoku / Nigeria**– FIPL 1 x
GE Nuovo Pignone Frame 5
25MW

6. **Transamadi / Nigeria** – FIPL
1 x GE Nuovo Pignone Frame 5
25MW



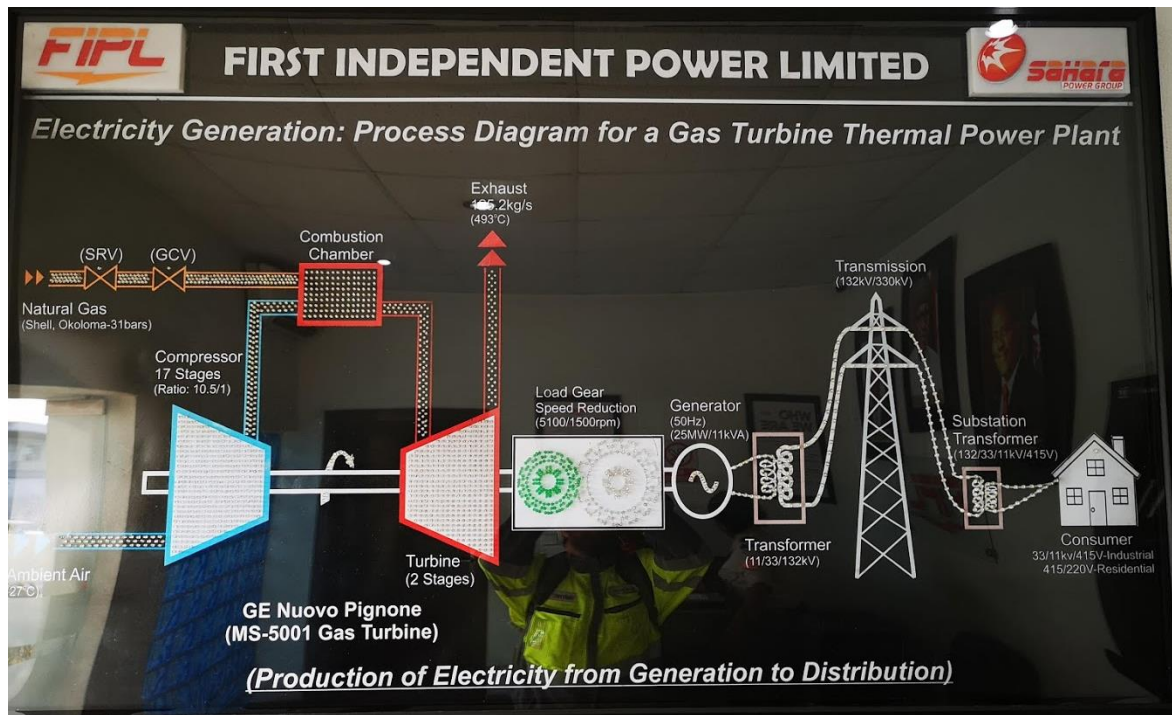
Automatizare

B. Turbine pe gaz

Proiect:

5. Omoku / Nigeria– FIPL 1 x
GE Nuovo Pignone Frame 5
25MW

6. Transamadi / Nigeria – FIPL
1 x GE Nuovo Pignone Frame 5
25MW



Automatizare

B. Turbine pe gaz

Proiect:

5. **Omoku / Nigeria**– FIPL 1 x
GE Nuovo Pignone Frame 5
25MW

6. **Transamadi / Nigeria** – FIPL
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25MW



Automatizare

B. Turbine pe gaz

Proiect:

5. **Omoku / Nigeria**– FIPL 1 x
GE Nuovo Pignone Frame 5

25MW

6. **Transamadi / Nigeria** – FIPL
1 x GE Nuovo Pignone Frame 5

25MW



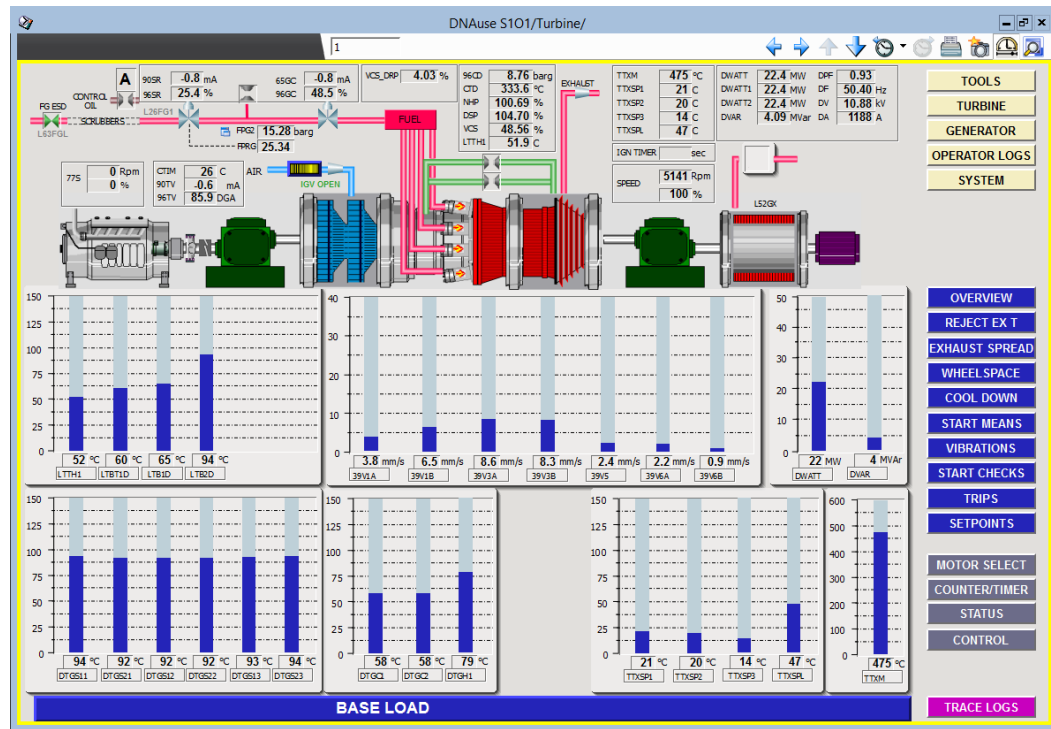
Automatizare

B. Turbine pe gaz

Proiect:

5. Omoku / Nigeria– FIPL 1 x
GE Nuovo Pignone Frame 5
25MW

6. Transamadi / Nigeria – FIPL
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25MW



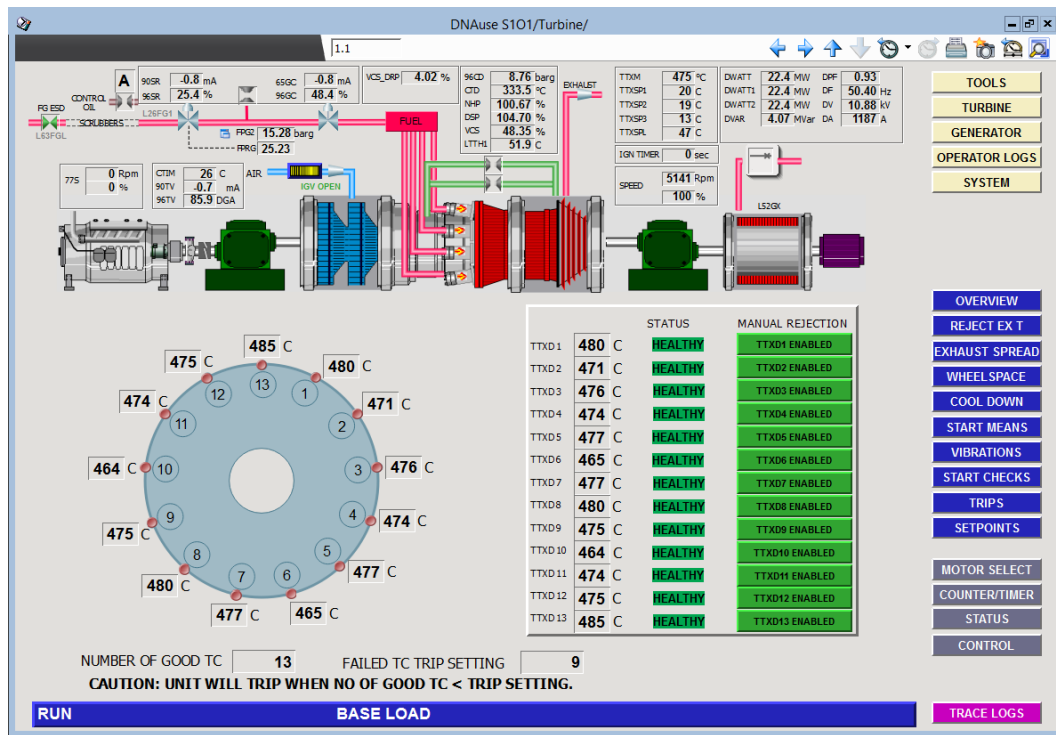
Automatizare

B. Turbine pe gaz

Proiect:

5. Omoku / Nigeria– FIPL 1 x
GE Nuovo Pignone Frame 5
25MW

6. Transamadi / Nigeria – FIPL
1 x GE Nuovo Pignone Frame 5
25MW



Automatizare

C. Turbine pe abur

Proiect:

1. Zellstoff / Germania– Stendal 1
x turbina



Automatizare

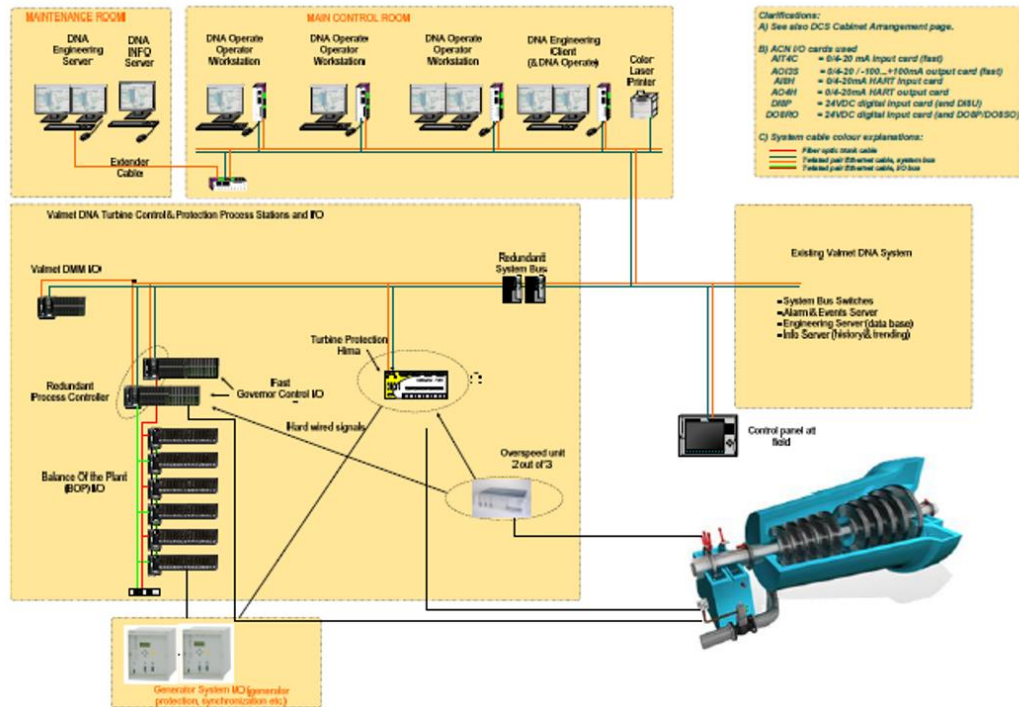
C. Turbine pe abur

Proiect:

1. Zellstoff / Germania– Stendal 1 x turbina

Valmet DNA Turbine Control System

Valmet DNA

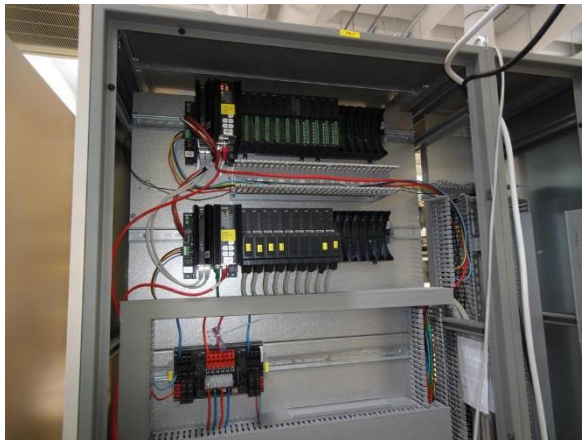


Automatizare

C. Turbine pe abur

Proiect:

1. Zellstoff / Germania– Stendal 1
x turbina

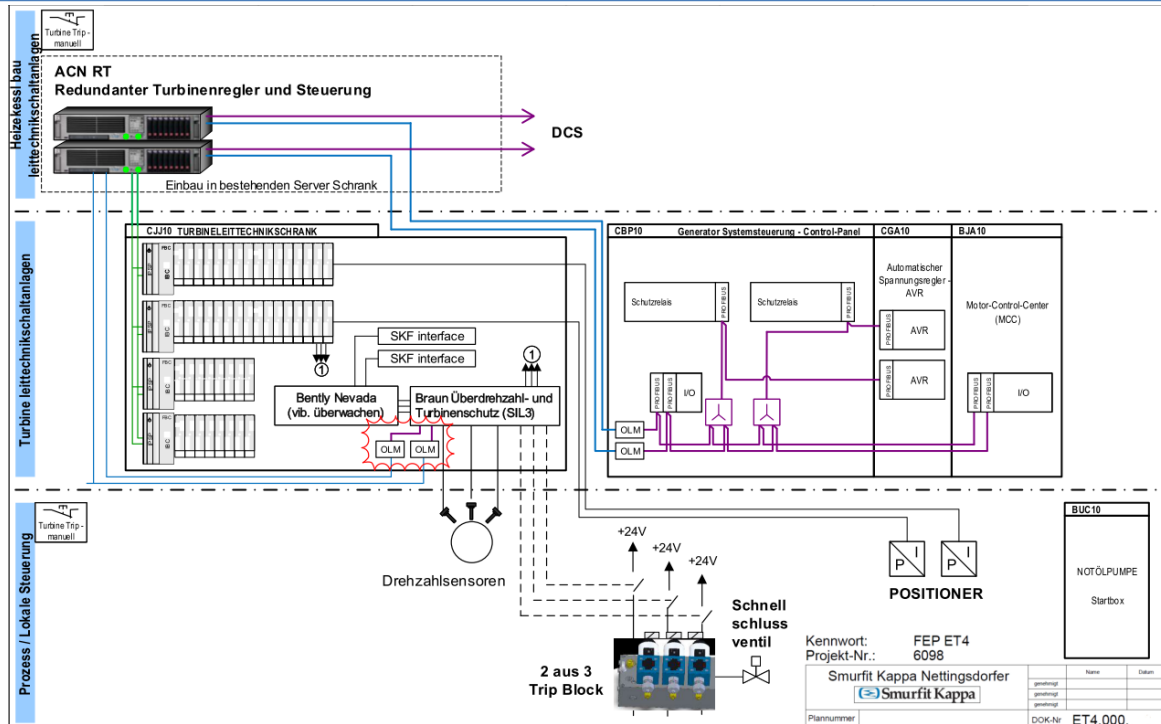


Automatizare

C. Turbine pe abur

Proiect:

2. Nettingsdorfer / Germania –
Smurfit Kappa 1 x turbina

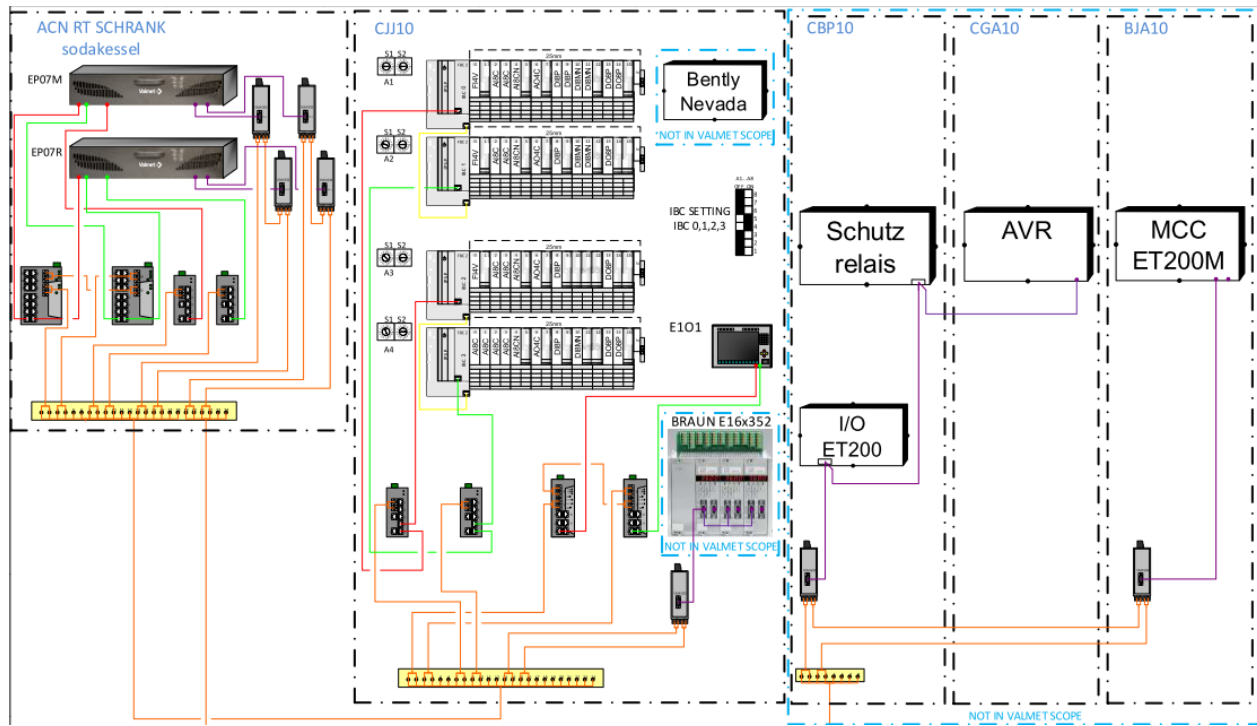


Automatizare

C. Turbine pe abur

Proiect:

2. Nettingsdorfer / Germania –
Smurfit Kappa 1 x turbina



Automatizare

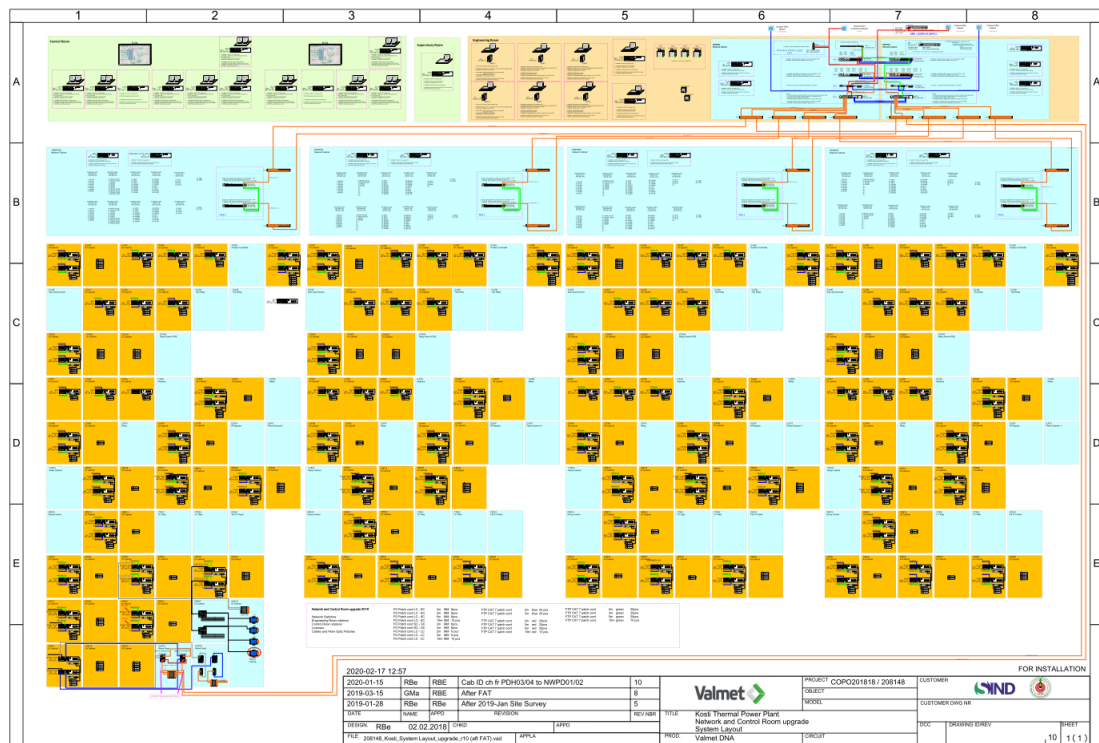
D. System Upgrade

Kosti / Sudan – Control Room and Network upgrade 4 x 125 MW

C. System Upgrade

Project:

Kosti / Sudan – Control Room and Network upgrade 4 x 125 MW

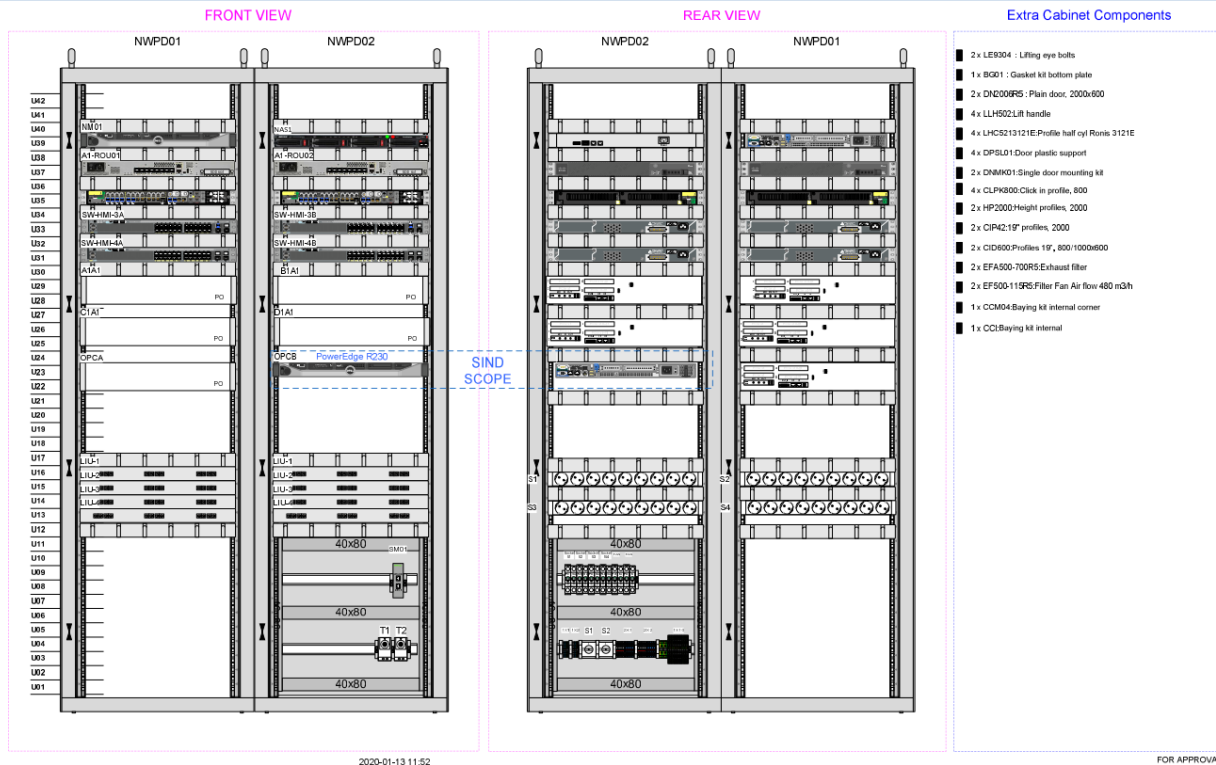


Automatizare

C. System Upgrade

Proiect:

**Kosti / Sudan – Control Room
and Network upgrade 4 x 125 MW**

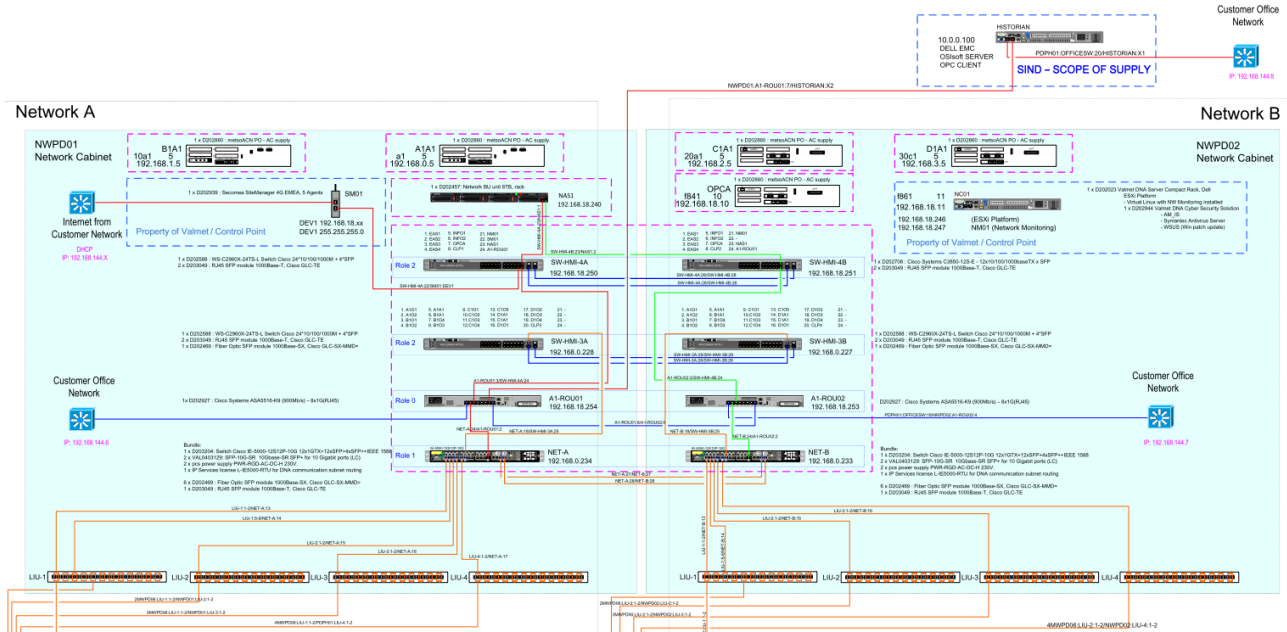


Automatizare

C. System Upgrade

Project:

**Kosti / Sudan – Control Room
and Network upgrade 4 x 125 MW**



Automatizare

C. System Upgrade

Proiect:

Kosti / Sudan – Control Room
and Network upgrade 4 x 125 MW



Automatizare

C. System Upgrade

Proiect:

Kosti / Sudan – Control Room
and Network upgrade 4 x 125 MW



Electric

CATIA – Brasov

7 SPICE – Brasov

VELPITAR – Brasov

- ✓ Uzinare panouri
- ✓ instalare și punere în funcțiune tablouri de alimentare și control
- ✓ montare jgheaburi
- ✓ cablare completă
- ✓ instalare corpuri iluminat
- ✓ instalare aparataje
- ✓ instalații HVAC
- ✓ instalare sisteme de securitate
- ✓ instalare sisteme fotovoltaice pentru eficientizare energetică

Electric

Executie

Proiect:

CATIA - Brasov



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Electric

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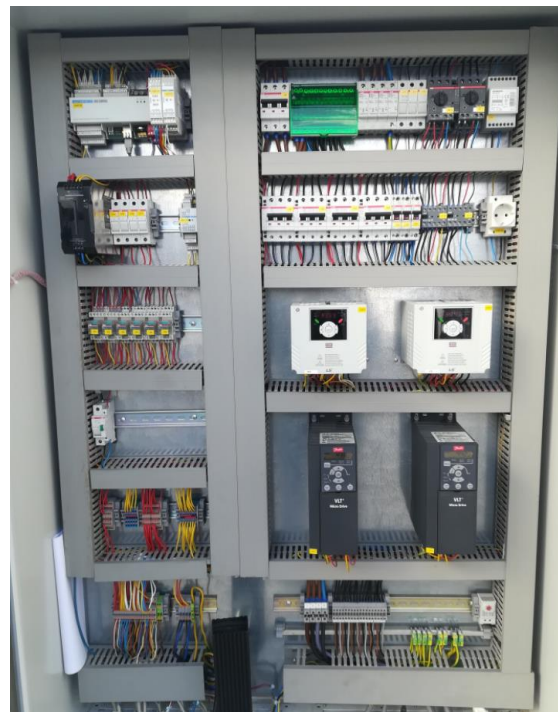


Electric

Executie

Proiect:

CATIA - Brasov



Electric

Proiectare si Executie

Proiect:

SAPTE SPICE - Brasov

Dupa evenimentul din Noiembrie 2005



Electric

Proiectare si Executie

Proiect:

SAPTE SPICE - Brasov

Dupa reabilitare



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Electric

Proiectare si Executie

Proiect:

SAPTE SPICE - Brasov

Evaluare pagube

Contractor:
SC AEON Building SRL
Brasov, Stadionului, Nr.2
Tel. 0368 885814
www.aeonbuilding.ro
office@aeonbuilding.ro



Subcontractor:
SC CONTROL POINT SRL
Alba 2, Brasov
RO17987306, RO/1230/2009
Tel +40 748 321 641
office@control-point.ro



EVALUAREA PAGUBELOR, MĂSURĂTORI ȘI VERIFICĂRI ALE INSTALAȚIEI ELECTRICE

Proiect Nr. COPO2709 / 2016.02.10

PROIECTANT DE SPECIALITATE

SC CONTROL POINT SRL

FAZE DE PROIECTARE

EVALUARE

BENEFICIAR

SC ȘAPTE SPICE SA



Șef proiect:
Întocmire documentație:
Măsurători și verificări:

ing. BERDEI Romulus
ing. RUSU Marius
ing. POPA Daniel

2016

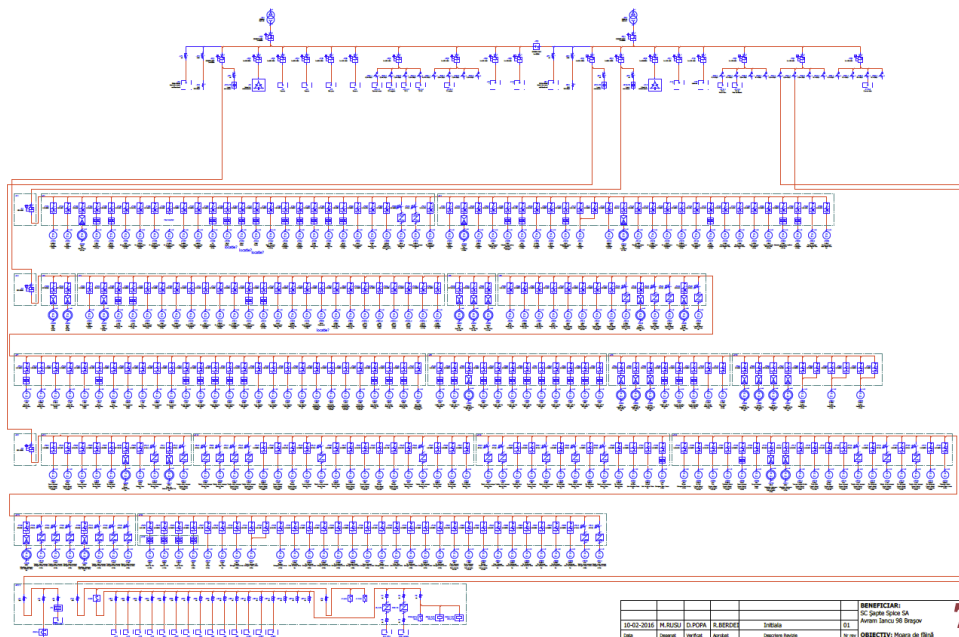
Electric

Proiectare si Executie

Proiect:

SAPTE SPICE - Brasov

Implementare



15-03-2016				BENEFICIAR:	
M. RUSU				SC Sapte Spice SA	
D. POPA				Autent. Serviciu SE Stragor	
E. BERCEA				SC	
Data				Descriere Proiect	
Status				SC	
1, 4				OBJECTIV: Proiect de Instal.	
				Autent. Serviciu re 50 Juc. Stragor	
Benevol M. RUSU				CONTRACTOR:	
Benevol D. POPA				SC AECOR Building SRL	
Benevol E. BERCEA				SC Control Point SRL	
				Autent. Serviciu re 50 Juc. Stragor	
				SUBCONTRACTOR:	
				SC Control Point SRL	
				Autent. Serviciu re 50 Juc. Stragor	
				PROIECT	
				COMPACTOR	
				15-03-2016	
				TITLUL: Evaluare pagube, reducatori si verificari la instalatia electrica	
				CAMERA electrica	
				Hidrofor	
				COD DESEN: 1011	
				FAZA: IV	
				Pagina	
				1/5	

Electric

Mentenata

Proiect:

Velpitar - Brasov

Contract de mentenanța
și întreținere a instalațiilor
electrice si automatizare





Va multumim!