

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WITHDRAWABLE CIRCUIT BREAKER		FIXED CIRCUIT BREAKER
	DISCONNECTING SWITCH		EARTHING RESISTOR
	GENERATOR		BUS DUCT
	POWER TRANSFORMER WITH TWO WINDINGS TRIANGLE - STAR		POWER TRANSFORMER WITH TWO WINDINGS STAR - TRIANGLE
	POWER TRANSFORMER WITH THREE WINDINGS		POWER TRANSFORMER WITH THREE WINDINGS
	VOLTAGE TRANSFORMER		CURRENT TRANSFORMER
	CABLE AND SEALING ENDS		SURGE ARRESTER
	CAPACITOR COUPLED VOLTAGE TRANSFORMER		LINE TRAP
	ON LOAD TAP CHANGER		OFF LOAD TAP CHANGER
	ACTIVE POWER ENERGY METERING (IMPORT - EXPORT)		REACTIVE POWER ENERGY METERING (IMPORT - EXPORT)
	ACTIVE POWER ENERGY METERING (ENERGY PURCHASED FROM ENEL)		REACTIVE POWER ENERGY METERING (ENERGY PURCHASED FROM ENEL)
	ACTIVE POWER ENERGY METERING (ENERGY SOLD TO ENEL)		REACTIVE POWER ENERGY METERING (ENERGY SOLD TO ENEL)
	LIMIT OF SUPPLY		BUS BAR

REFERENCE DRAWING			
2372 AE 7900 R0006	F	M.V./L.V. AND D.C. SYSTEM SINGLE LINE DIAGRAM	
2372 AE 7900 R0001	F	PROTECTION SINGLES AND MEASURING SINGLE LINE DIAGRAM G.T. & S.T.	
2372 AE 7900 R0004	F	132kV SINGLE LINE DIAGRAM SYSTEM PROTECTION METERING KEY DIAGRAM	
2372 AE 7900 R0007	D	H.V./M.V./L.V. SYSTEM KEY DIAGRAM	
2372 AE 7900 E1022	C	ENEL UTF WATHOURS & WARHOURS METER ELECTRIC DIAGRAM	

NOTES			
<b>Schema unifiare ATTUALE</b>			
REV. "D" ISSUED FOR CONSTRUCTION TO OWNER / OWNER'S ENGINEER FOR INFORMATION ONLY			
REV.	DATE	DESCRIPTION	ISSUED BY
F	12/12/00	AS BUILT BY REQUIRED API ENERGIA	BELO COSMA MAZZOTTA
E	02/12/99	AS BUILT	BENIGNI ZONCHETTI
D	09/10/98	ADDED UTF METERS	COLAN PROTTI
C	23/07/98	REVISED WHERE INDICATED	COLAN RECORDON
B	04/04/97	ACCORDING ENEL M.D.M. 12/02/97	BUSI RECORDON
A	18/06/96	FIRST ISSUE	BELO RECORDON

**API REFINERY FALCONARA - ITALY**  
**INTEGRATED GASIFICATION AND COMBINED CYCLE PROJECT**

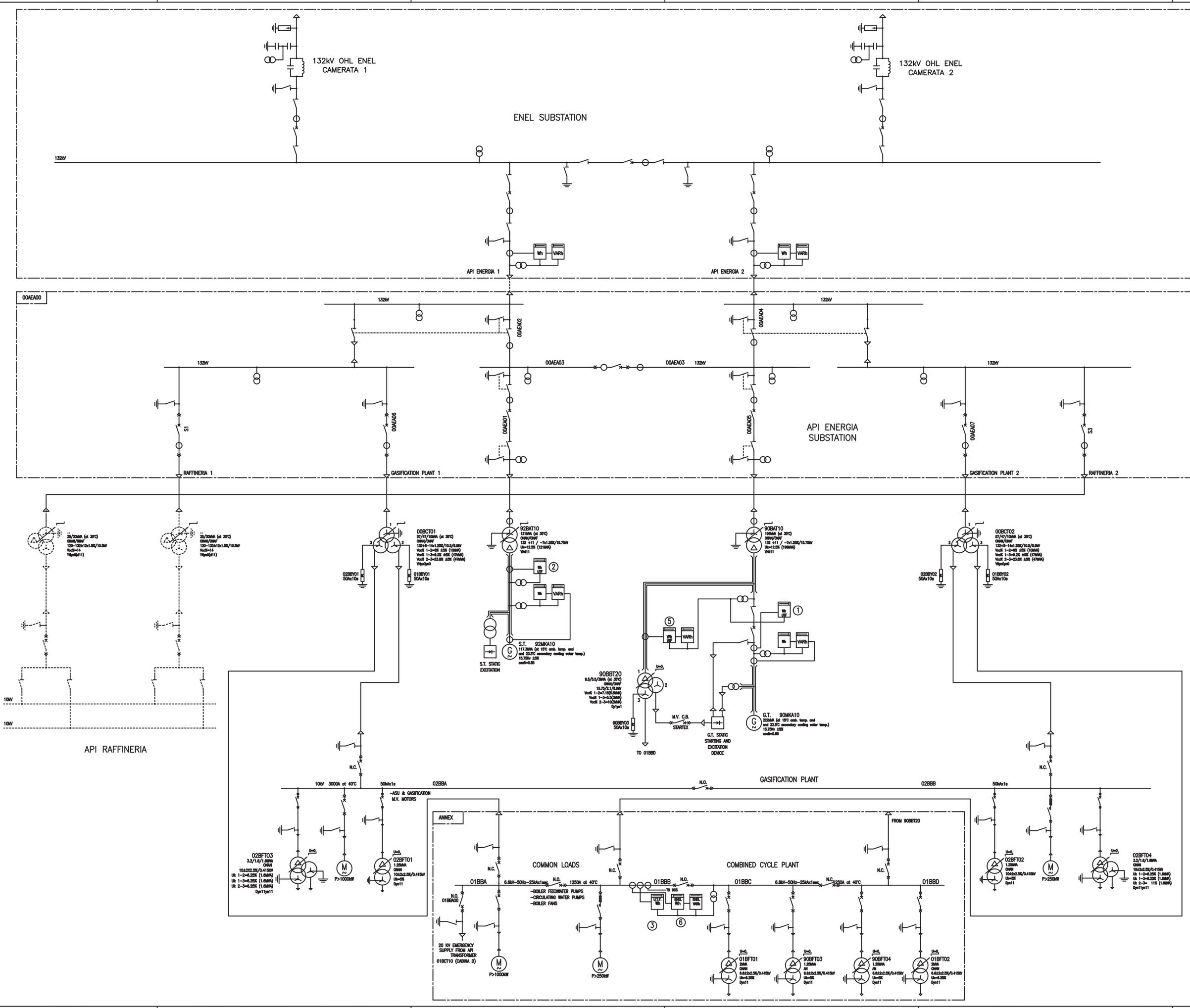
**TEMPORARY ASSOCIATION OF COMPANIES:**  
 ABB SAE SADELMIL MILAN ITALY  
 ABB LUMMUS GLOBAL WIESBADEN GERMANY  
 ABB POWER GENERATION BADEN SWITZERLAND

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SCALE	JOB NO.	AREA	WELL	SYSTEM	DOC. NO.	DOCUMENT NUMBER	REV.	SHEET
1:1	A0123720	A	00	A.E.A.	E1B	G0.0.1	1	1

**H.V. & M.V. SINGLE LINE DIAGRAM**

DATE	18/06/96
SCALE	1:1
FORM NO.	A023720
JOB NUMBER	A0123720
ORIG.	A
SUBJECT	E1B
DOC. NO.	G0.0.1
REV.	1
SHEET	1



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REFERENCE DRAWING			
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2372 AE 7000 R0001	F	PROTECTION METERING AND MEASURING SINGLE LINE DIAGRAM G.T. & S.T.	
2372 AE 7000 R0004	F	132KV SINGLE LINE DIAGRAM SYSTEM PROTECTION/METERING KEY DIAGRAM	
2372 AE 7000 R0007	D	H.V./M.V./L.V. SYSTEM KEY DIAGRAM	
2372 AE 7000 E1022	C	ENEL UTF WATTHOURS & WATTHOURS METER ELECTRIC DIAGRAM	

NOTES			
Schema unifilare FUTURO			
REV. "D" ISSUED FOR CONSTRUCTION TO OWNER / OWNER'S ENGINEER FOR INFORMATION ONLY			

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
F	15/12/00	AS BUILT BY REQUIRED API DESIGN	...	...	...
E	05/12/00	AS BUILT	...	...	...
D	09/10/00	ASBUILT METERS	...	...	...
C	25/07/00	REVISED WERE SUBMITTED	...	...	...
B	04/04/97	ACCORDING ENEL M.O.M. 12/02/97	...	...	...
A	15/09/96	FIRST ISSUE	...	...	...

**API REFINERY FALCONARA - ITALY**  
**INTEGRATED GASIFICATION AND COMBINED CYCLE PROJECT**

**TEMPORARY ASSOCIATION OF COMPANIES:**  
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 ABB LUMMUS GLOBAL WIESSBADEN GERMANY  
 ABB POWER GENERATION BADEN SWITZERLAND

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**ABB SAE SADELM SpA**

**H.V. & M.V. SINGLE LINE DIAGRAM**

18/05/96

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