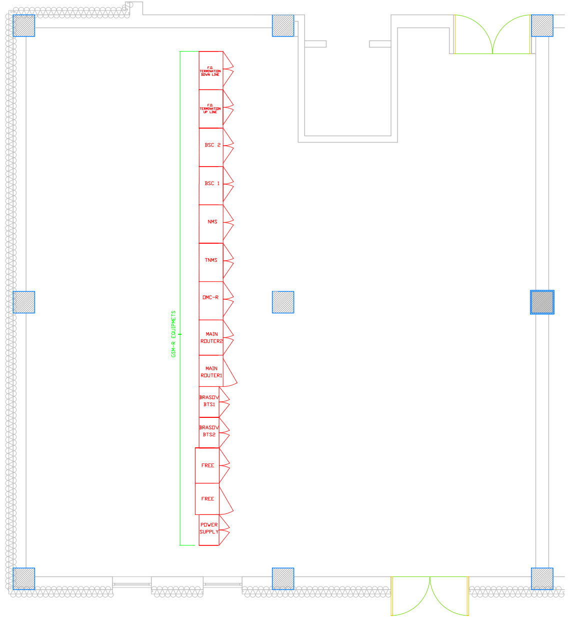
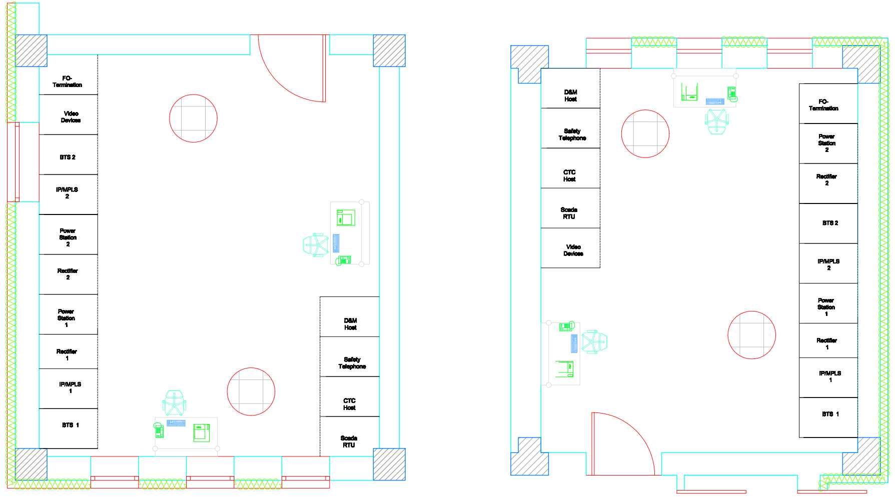
Brasov DCC Equipments Room
Camera de Echipamente Brasov DCC


F.O. TERMINATION DOWN LINE
F.O. TERMINATION UP LINE
BSC 2
BSC 1
NMS
TNMS
OMC-R
MAIN ROUTER2
MAIN ROUTER1
BRASOV BTS1
BRASOV BTS2
FREE
FREE
POWER SUPPLY
GSM-R EQUIPMETS

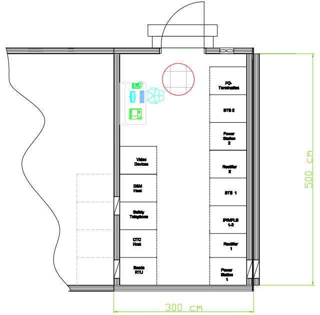
Typical GSM-R Room inside new Station

Camera Tip GSM-R in interiorul statie noua

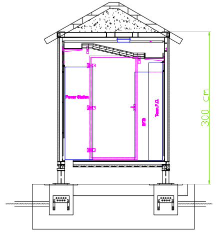

FO-Termination
Video Devices
BTS 2
IP/MPLS 2
Power Station 2
Rectifier 2
Power Station 1
Rectifier 1
IP/MPLS 1
BTS 1
D&M Host
Safety Telephone
CTC Host
Scada RTU

Typical GSM-R Room inside Interlocking Container

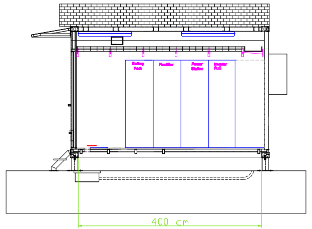
Camera Tip GSM-R in interiorul Containerului de CE


FO-Termination
BTS 2
Power Station 2
Rectifier 2
BTS 1
IP/MPLS 1-2
Rectifier 1
Power Station 1
Video Devices
D&M Host
Safety Telephone
CTC Host
Scada RTU
500 cm
300 cm

Front Cabin

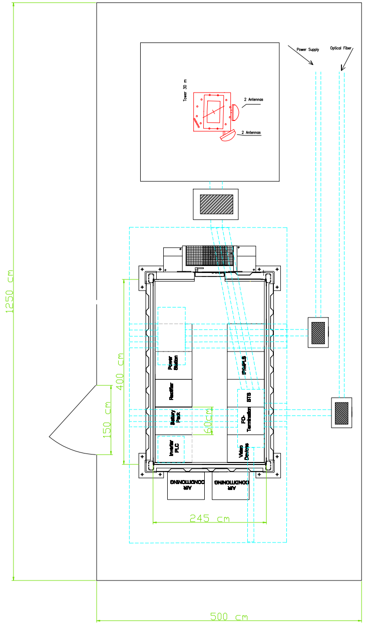

Power Station
BTS
Term.F.O.
300 cm

Side Cabin


Battery Pack
Rectifier
Power Station
Inverter PLC
400 cm

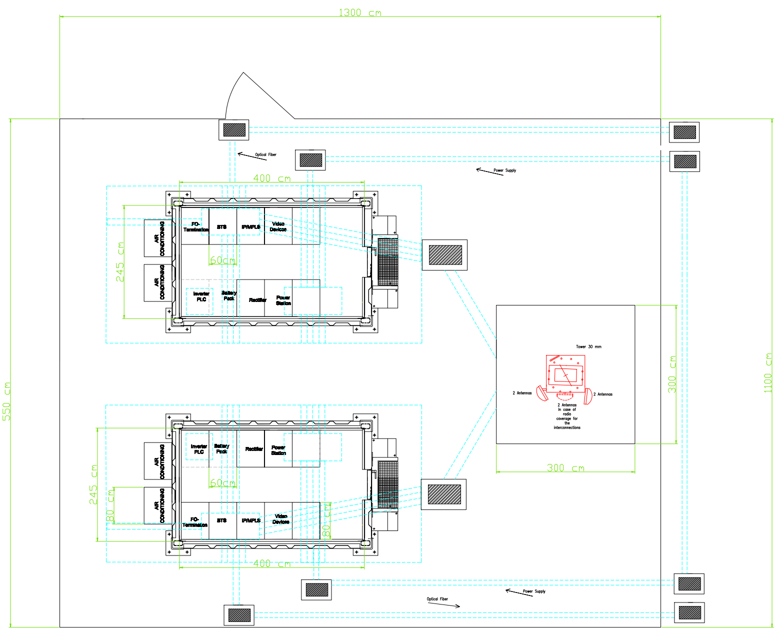
Single Site

Situ Singur


Tower 30 m
2 Antennas
2 Antennas
Power Supply
Optical Fiber
Power Station
Rectifier
Battery Pack
Inverter PLC
IP/MPLS
BTS
FO-Termination
Video Devices
AIR CONDITIONING
AIR CONDITIONING
1250 cm
400 cm
150 cm
60cm
245 cm
500 cm

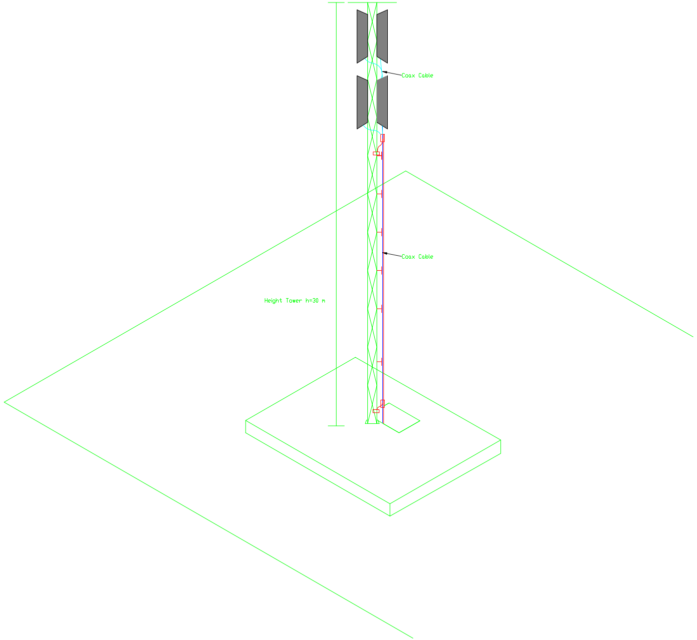
Double Site

Situ Dublu


1300 cm
550 cm
1100 cm
400 cm
245 cm
180 cm
60cm
300 cm
AIR CONDITIONING
FO-Termination
BTS
IP/MPLS
Video Devices
Inverter PLC
Battery Pack
Rectifier
Power Station
Optical Fiber
Power Supply
Tower 30 mm
2 Antennas
2 Antennas in case of radio coverage for the interconnections

Typical Antenna Tower

Turn cu Antena Tip


Coax Cable
Coax Cable
Height Tower h=30 m

D					
C					
B					
A					
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnături Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza	30-11-2011	
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli	30-11-2011	
Verificat Checked	Expert Cheie Key Expert	P. Amodio	23-11-2011	
Aprobat Approved	Responsabil GSM-R GSM-R Responsible	G. Clemenza	16-11-2011	
Întocmit Elaborated	Proiectant Designer	L. Restino	14-11-2011	

Reabilitarea liniei de cale ferată Brașov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h,
Tronsonul: Brașov - Sighișoara
Rehabilitation of the railway line Brașov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section: Brasov - Sighișoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :
Layout GSM-R site
Plan de situatie al sitului GSM-R

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No 01 / 01
E A 5 1 0 1 C 0 0 D X S E 0 0 1		4	0 0 3 0