

MAIN

IN LOGISTIC

IC STUDIES

S

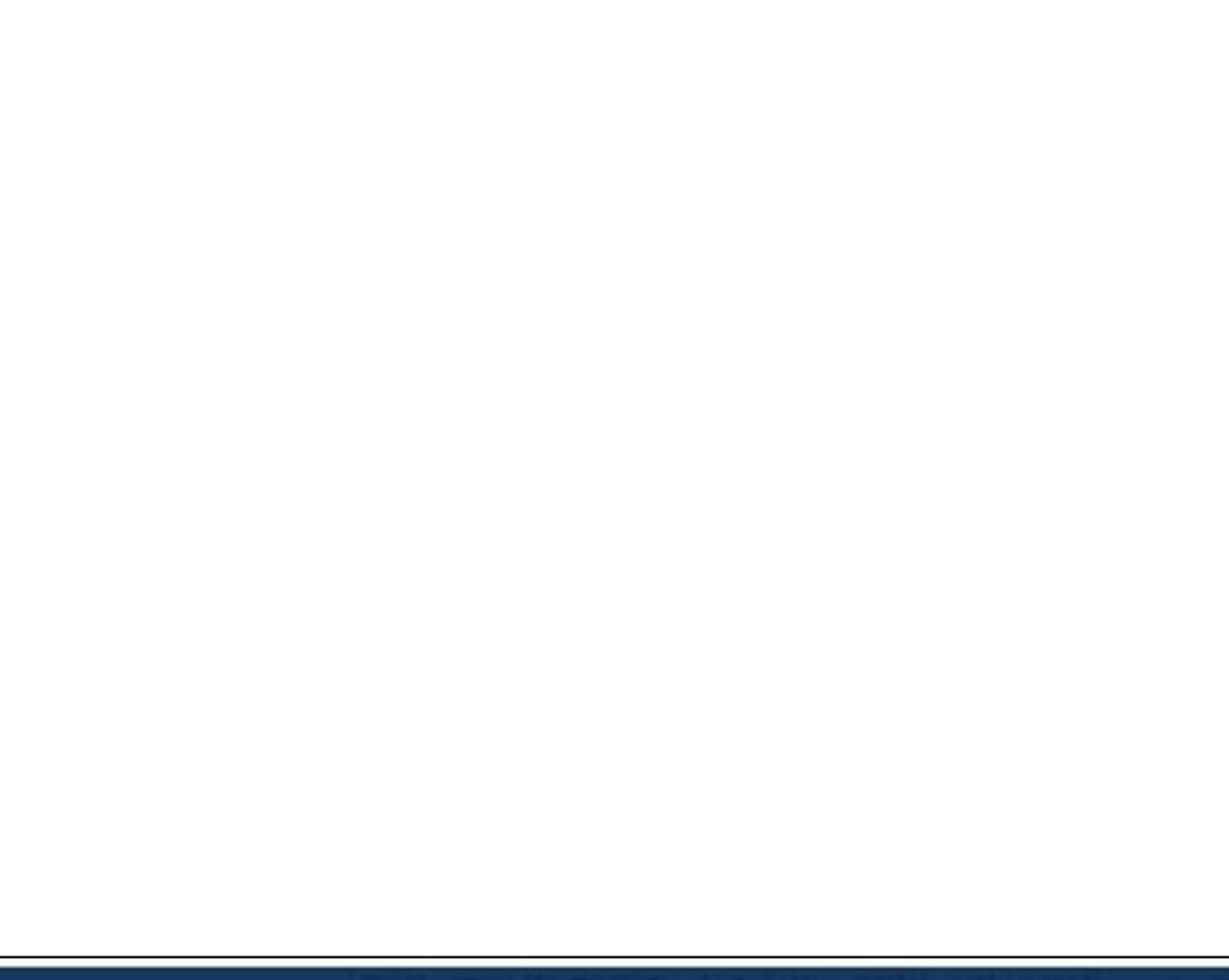
Dufre

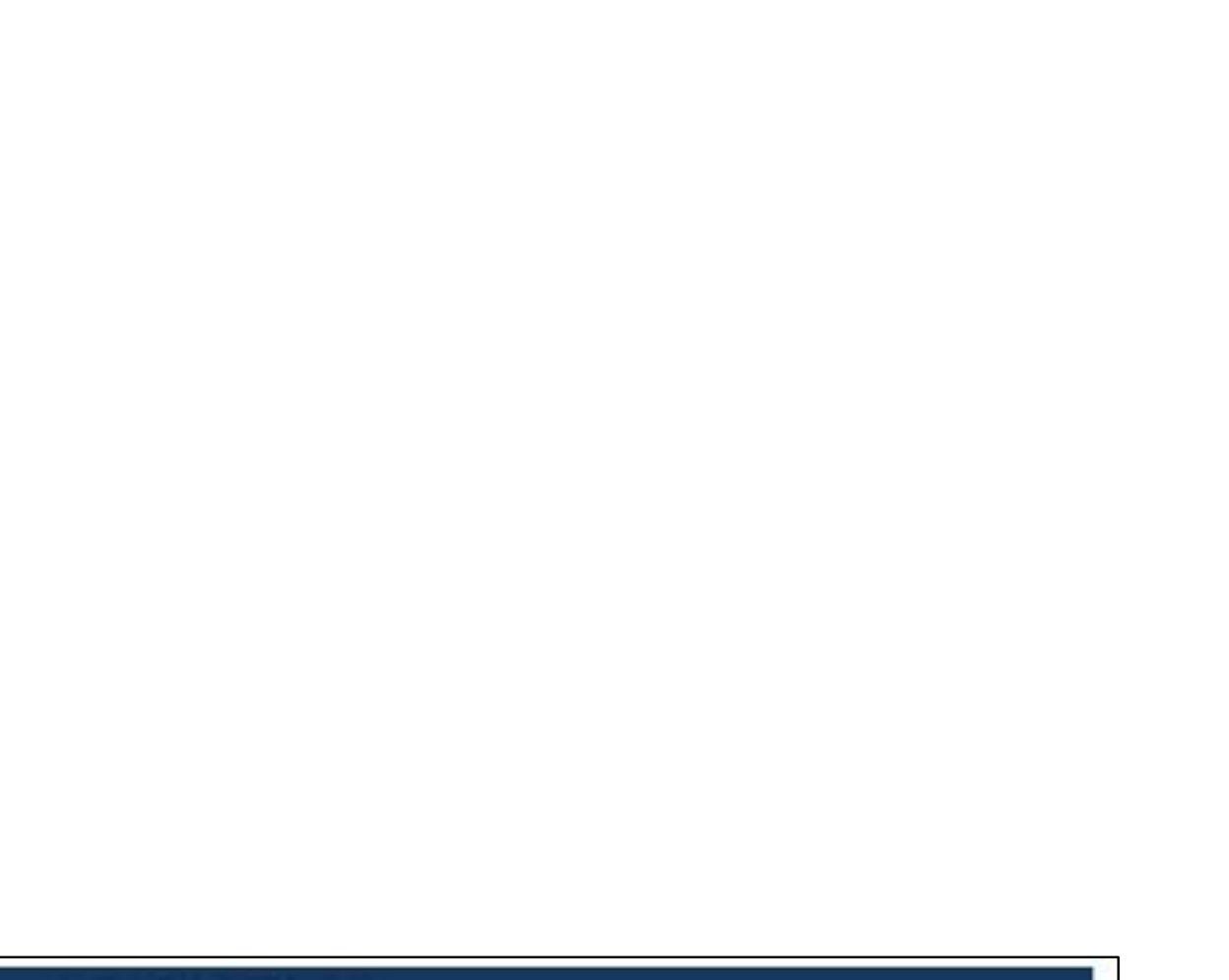
Engineer

erco

ering







1 NEW COAL TERMINAL

YEAR: 2002

CLIENT: ENEL SPA

DESCRIPTION: REORGANISATION OF THE COAL TERMINAL IN BRINDISI AND LOGISTICS



PROJECTS AND STUDIES - LOGISTICS

COAL ARRIVAL BY CREATION AND IMPROVEMENT OF POWER STAT



ION OF NEW STATIONS



Centrale del Sulcis

2 LOGIST MONFA

YEAR: 200

CLIENT: EN

DESCRIPT
OF MON



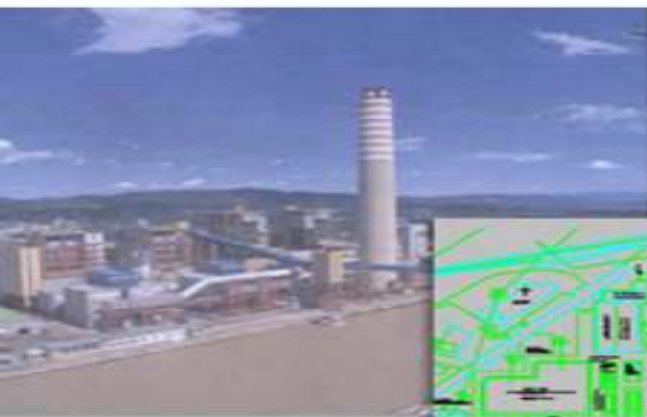
PROJECTS AND STUDIES

LOGISTIC ORGANISATION POWER MONFALCONE

2004

CLIENT: ENDESA ITALIA

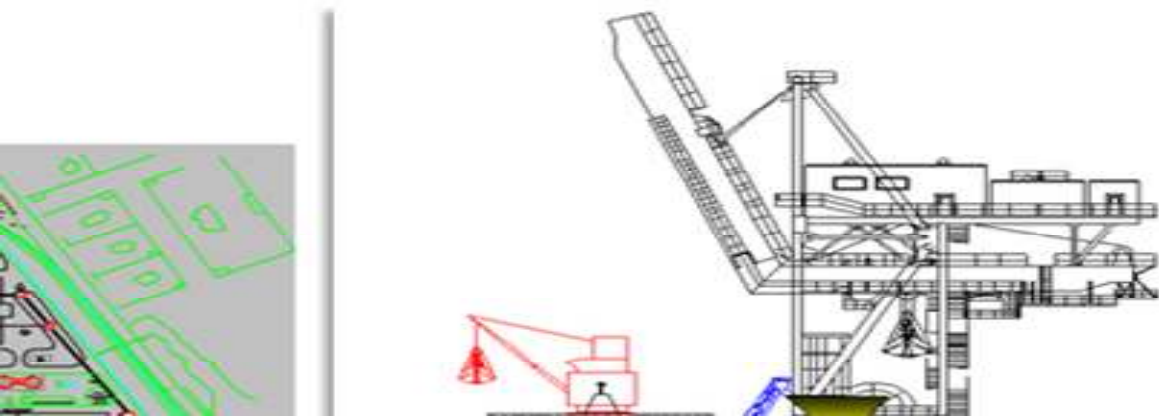
DESCRIPTION: REORGANISATION OF LOGISTIC
MONFALCONE POWER STATION



PORTS - LOGISTICS

PORT STATION ENDESA

LOGISTIC SYSTEM FOR COAL AND WASTE

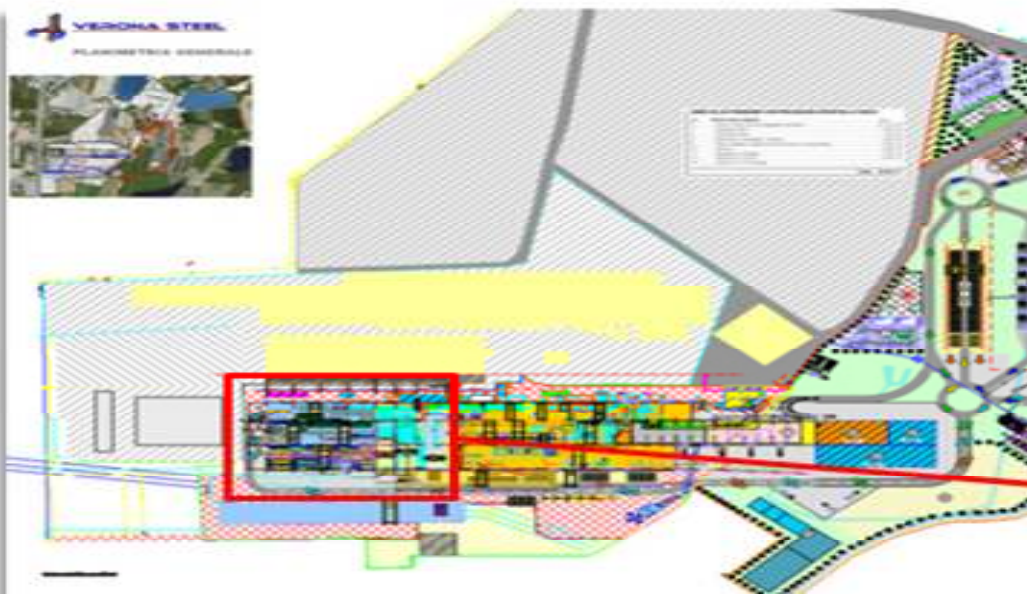


PROJECT

3 LOGISTIC AND TRAFFIC YEAR: 2006

CLIENT: VERONA STEEL

DESCRIPTION: REALISATION OF



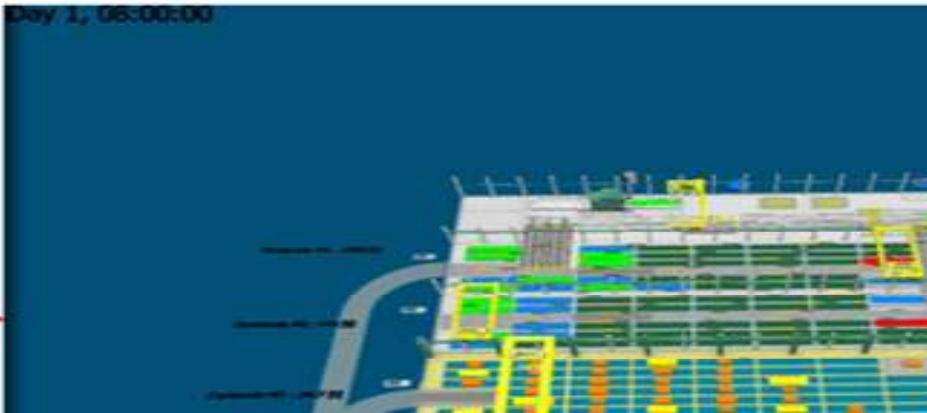
PROJECTS AND STUDIES - LOGISTICS

TRAFFIC STUDY VERONA STEEL SITE

LOCATION OF NEW SERVICE CENTER FOR PLANT



Day 1, 08:00:00



SITE

SLATES AND SLABS



4 SLAB YARD
YEAR: 2007

CLIENT: DUFERCO
DESCRIPTION:
(PRODUCTION)



PROJECTS AND STUDIES - LOUUVIER

WARD STUDY DUFERCO LA LOUVIER

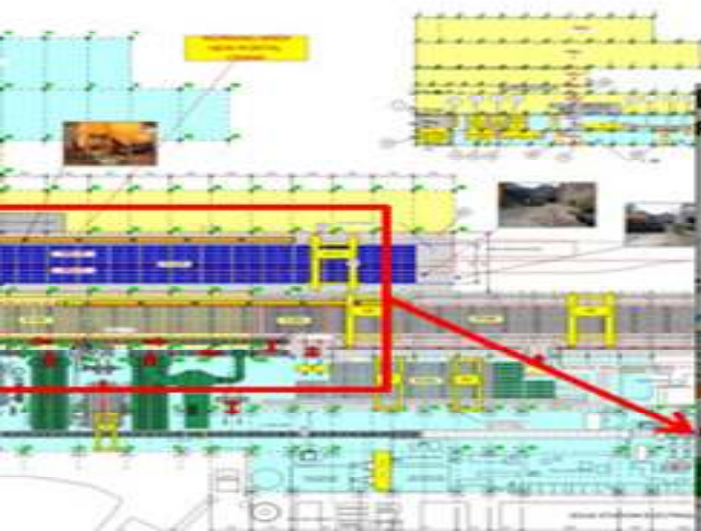
7

DUFERCO LA LOUVIERE (BELGIQUE)

ION: STUDY FOR UPGRADE OF SLAB LOG

CTION INCREASE)

NEW SLAB YARD - PHASE 1



Day 1, 03:00:00

ROLL MILL STATE : ROLLING



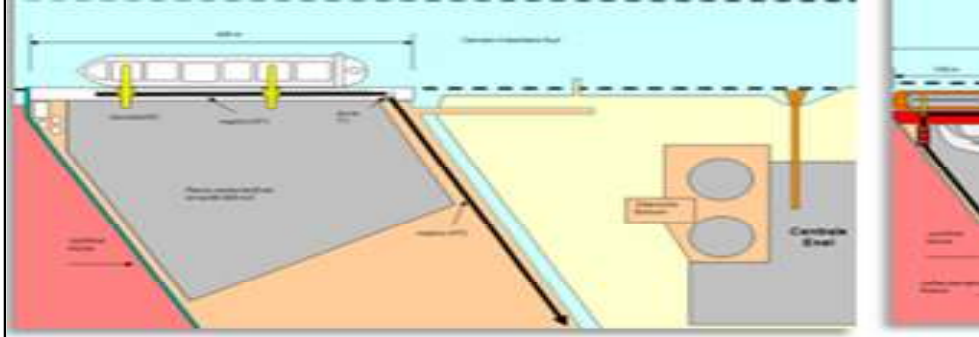
- LOGISTICS UVIERE

LOGISTICS AND HANDLING

Duferco
Engineering
SLAB YARD WAREHOUSE







PROJECT

5 LOGISTICS MANAGEMENT

YEAR: 2007

CLIENT: DUFERCO MANAGEMENT

DESCRIPTION: STUDY FOR INFRASTRUCTURE SYSTEM





ING LOGISTIC

**6 OVERA
YEAR: 200
CLIENT: D
DESCRIPT
FLOWS**

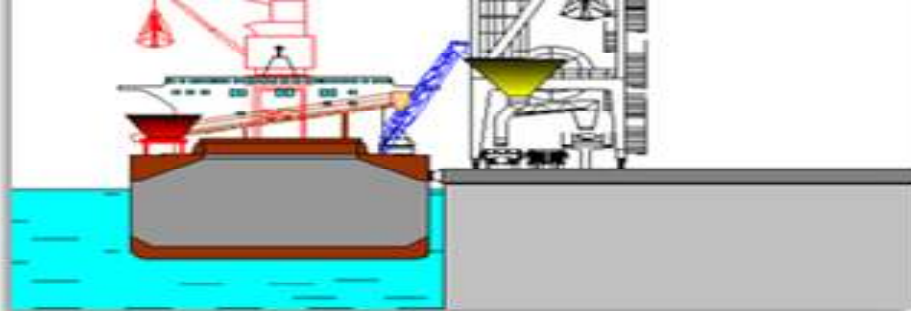
PARC FERRAILLES EAF

SECTION



PROJECTS AND STUDIES
OVERALL LOGISTICS STUDY CARSID
2008
CLIENT: DUFERCO CARSID
DESCRIPTION: LOGISTIC SYSTEM IMPROVEMENTS
WORKS





IES - LOGISTICS

RSID (MARCINELLE SITE)

EMENT AND SOLUTIONS FOR FUTURE



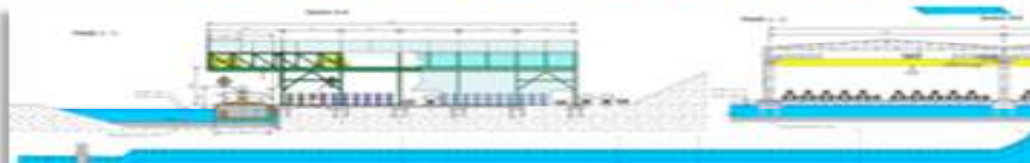


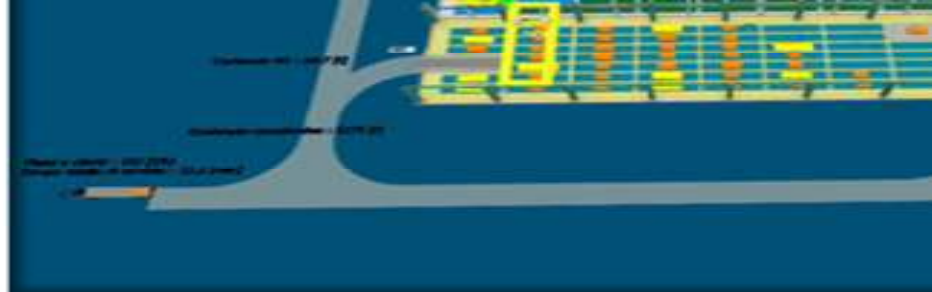
PROJECT

7 LOGISTICS STUDY MU YEAR: 2008

CLIENT: DUFERCO DIVERSIFI

**DESCRIPTION: ANALYSIS OF
BY SIMULATION MODEL**





OBJECTS AND STUDIES - LOGISTICS

MULTIMODAL PLATFORM GARCIA

CLASSIFICATION

ANALYSIS OF HANDLING CAPACITY OF THE LOGISTICS PLATFORM





AROCENTRE

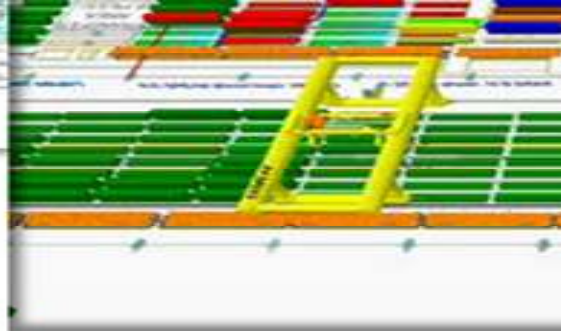
LOGISTIC PLATFORM

Duferco
INDUSTRIAL - ARABIE SAUDITE



8 SERVICE
YEAR: 2008 (1)
CLIENT: DUFERCO
DESCRIPTION
LENGTH LI





PROJECTS AND STUDIES - LOGIC

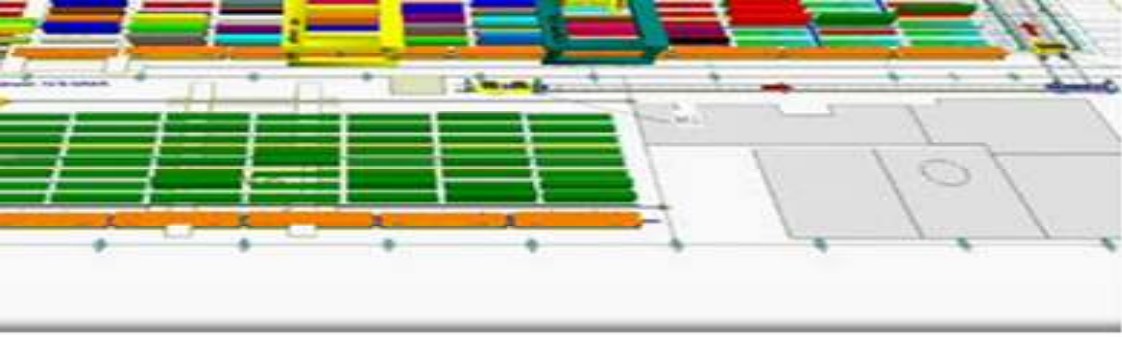
SERVICE CENTRE MARGHERA

2008 (IN PROGRESS)

DUFERCO SA

DESCRIPTION: REALISATION OF NEW SERVICE CENTRE ON HIGH LINE





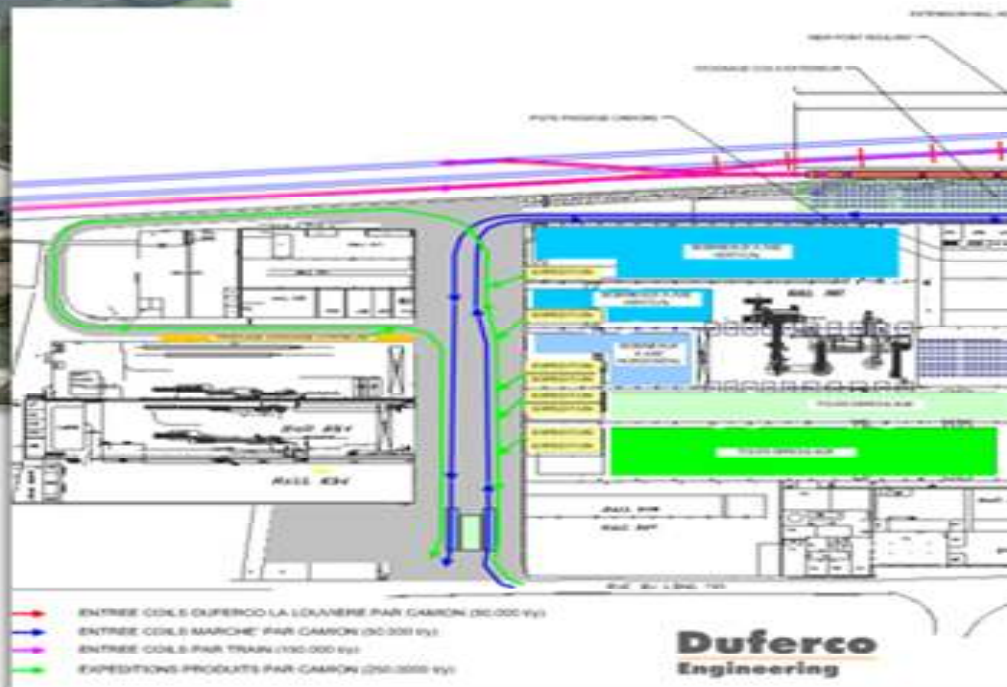
- LOGISTICS

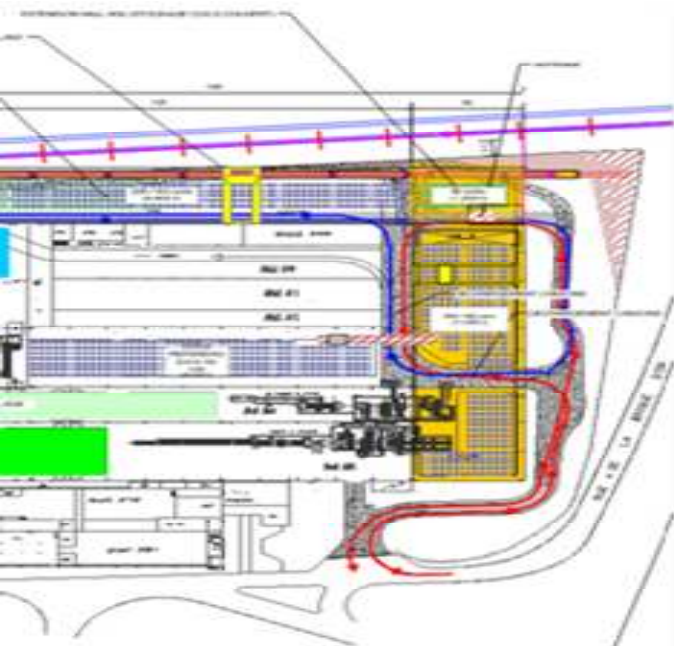
THE CENTRE FOR PLATES AND CUT TO



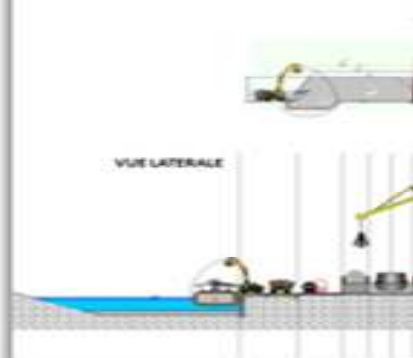








31 jan 2008





SCRAPS A MARCHIEPNE



ANALYSE DU TRAFIC DES CAMIONS

CR Synthèse simulation porte 2 - trafic actuel + trafic SAF - expédition pour

Beauverne

PROJET 2

CR Synthèse simulation porte 2 - trafic actuel + trafic SAF - expédition pour

Beauverne

Activités Camions (Secteur de Beauverne)

Camion	0.00	0.00	0.00
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00

Secteur de Beauverne (Secteur de Beauverne)

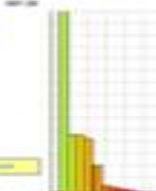
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00

Activités Camions (Secteur de Beauverne)

Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00

Activités Camions (Secteur de Beauverne)

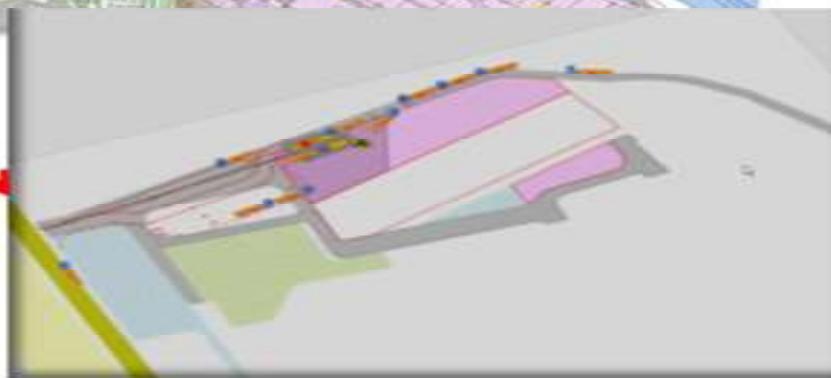
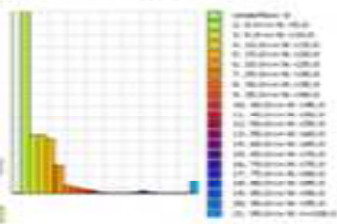
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00
Remorque	0.00	0.00	0.00

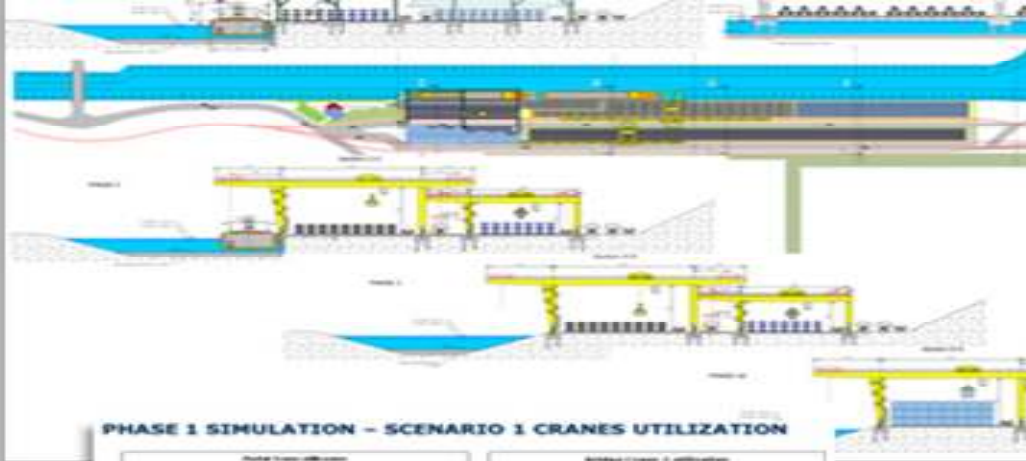




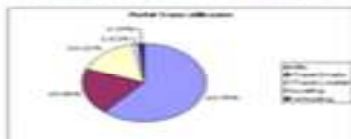
— esportazioni scorte per camion — parte B completa

Importazioni scorte per camion — parte B completa

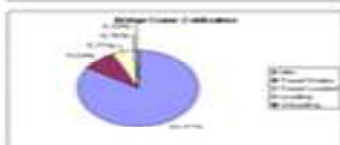
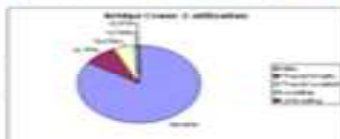


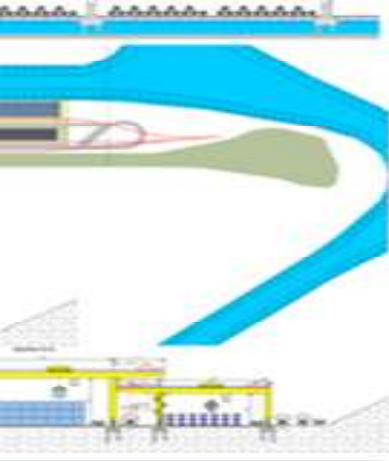


PHASE 1 SIMULATION – SCENARIO 1 CRANES UTILIZATION

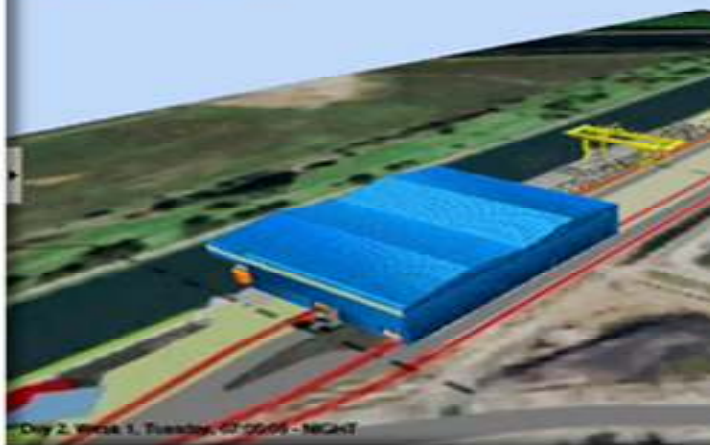


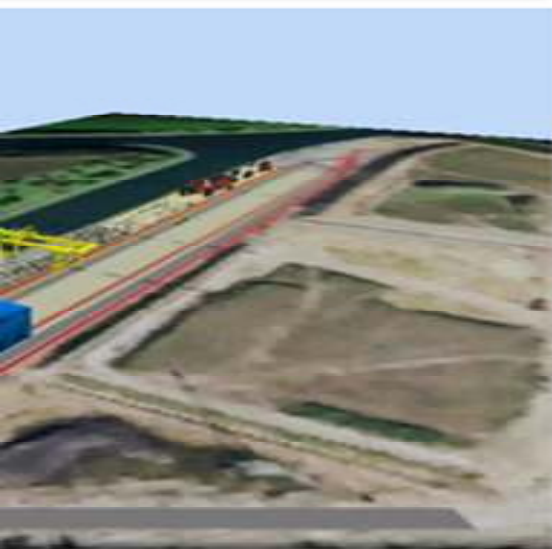
The bridge crane 1 and 2 are used only for the 15% of time. This utilization percentage is sufficient to handle the requires cold coils flow. The portal crane is used only for the 40% of simulated time; this due to large night inactivity (unload train only) and the 5 work day a week.

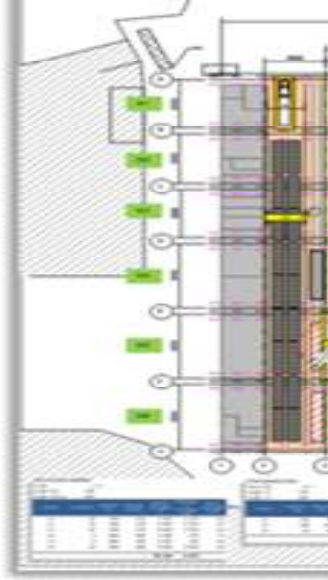


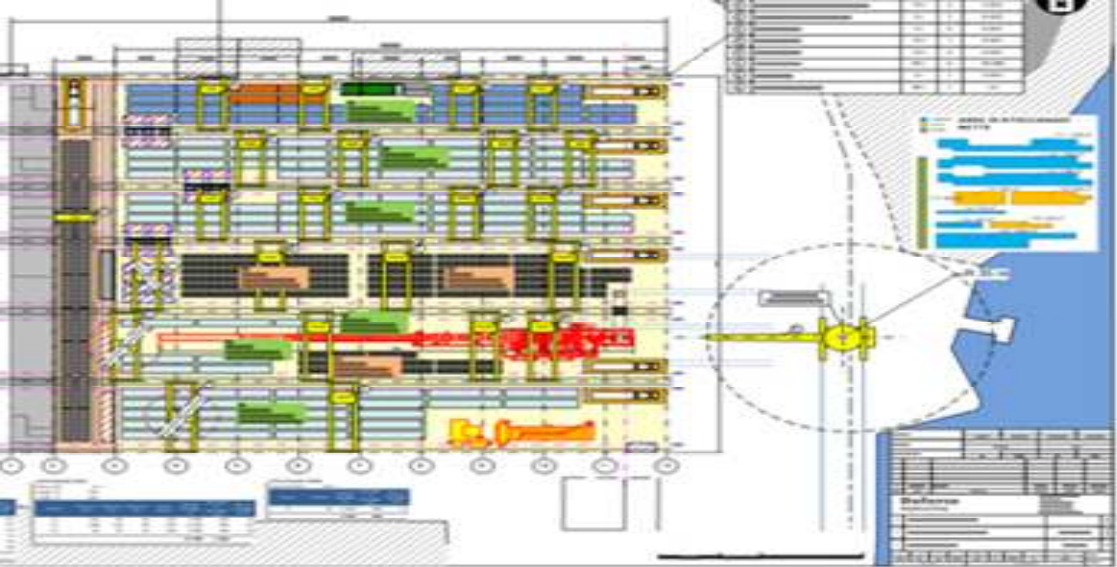


Duferco
Engineering
GAROCENTRE - PHASE 1











PROJE

9 THERMOVALORISATO

YEAR: 2008 (IN PROGRESS)

CLIENT: DUFERCO SA

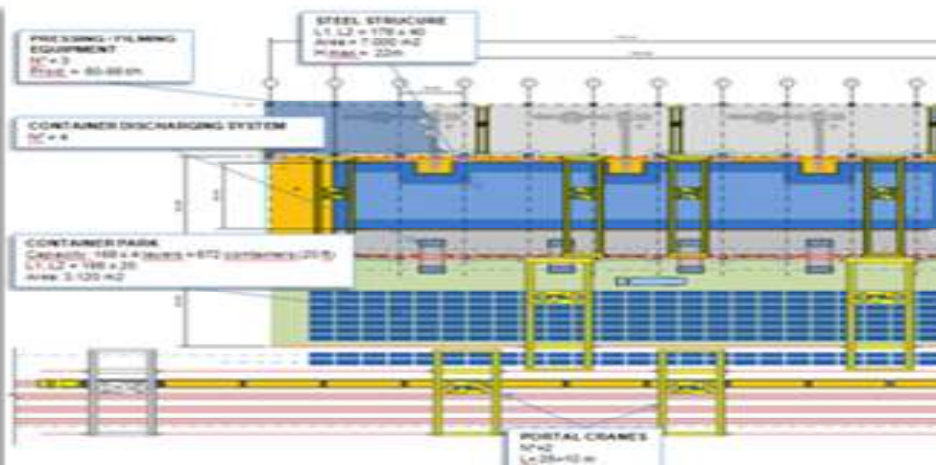
DESCRIPTION: THERMOVAL
RELATED LOGISTICS



PROJECTS AND STUDIES - LOGISTICS

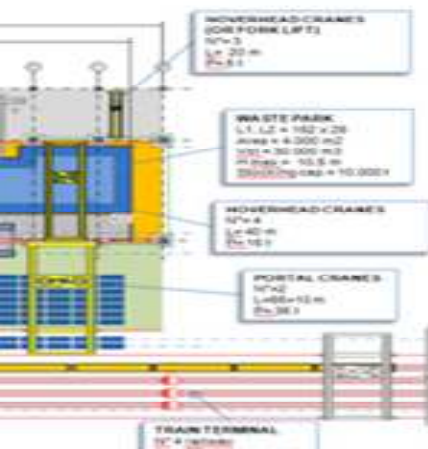
VALORISATOR AND LOGISTICS FOR URBAN WASTE (SS)

VALORISATOR, WASTE BALES PRODUCT



URBAN WASTE

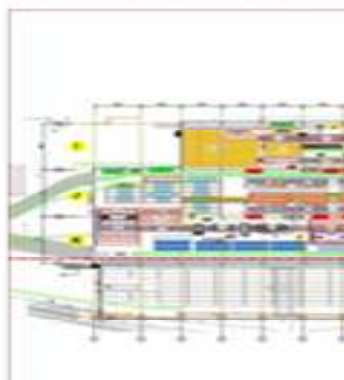
DUCTION PLANT AND



10 QUENC

YEAR: 2009

CLIENT: DU



UTILIZATION

OHM 33

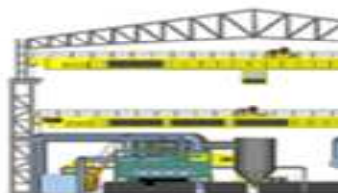
THEORETICAL U
 INEFFICIENCY
 BREAK DOWN
 DOWNSTREAM E
 REAL U.I.

PROJECTS AND STUDIES

ENCH & TEMPERING PLANT

2009

: DUFERCO CLABECQ SA



UTILIZATION INDEX – MEAN CONDITIONS

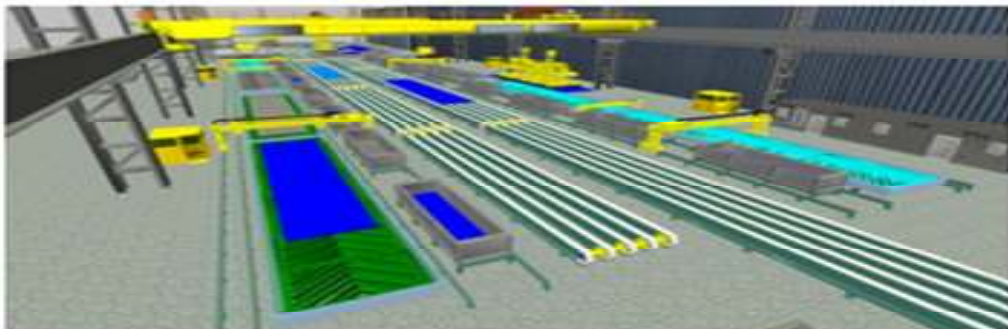
OHM33

THEORETICAL U.I.	65.8%
INEFFICIENCY	10%
BREAK DOWN	5%
DOWSTREAM EQUIPMENT FAULT	2%
REAL U.I.	76.9%

OHM34

THEORETICAL U.I.	55.6%
INEFFICIENCY	10%
BREAK DOWN	5%
DOWSTREAM EQUIPMENT FAULT	2%
REAL U.I.	65.1%

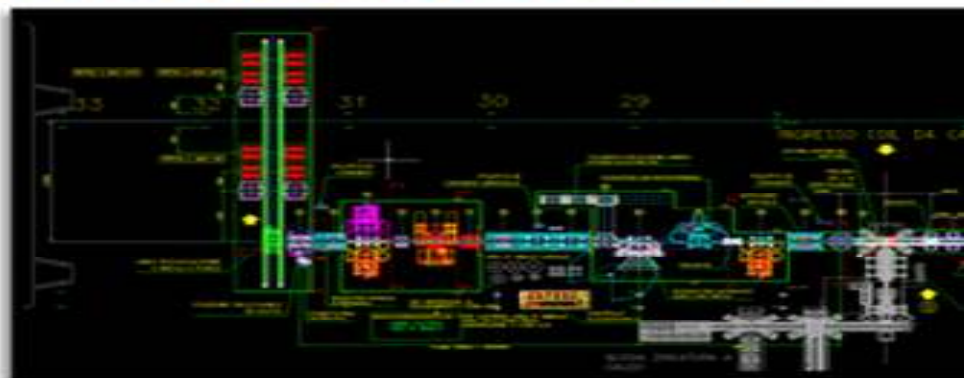
DIES - LOGISTICS



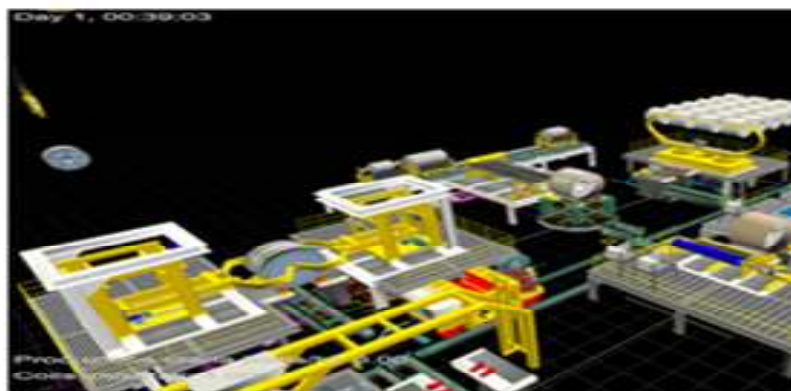
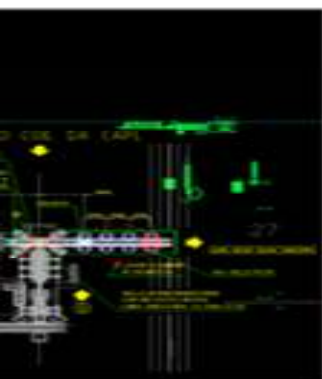
PROJECT

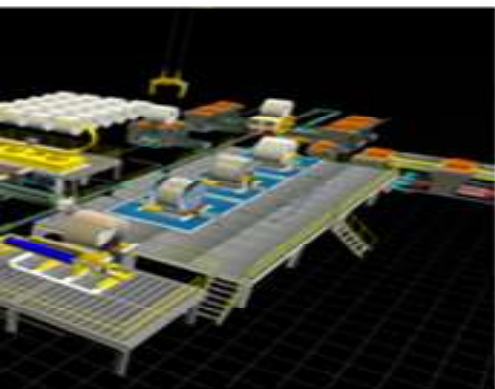
11 PACKAGING LINE FOR YEAR: 2009

CLIENT: BERTOLOTTI SPA



PROJECTS AND STUDIES - LOGISTICS FOR STEEL COILS



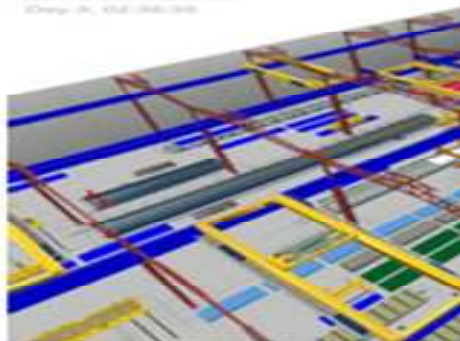


12 STEEL PLANT

YEAR: 2010 (IN PROGRESS)

CLIENT: VERONICA STEEL

BMV'S Veronica Steel
Chengdu, Sichuan, China



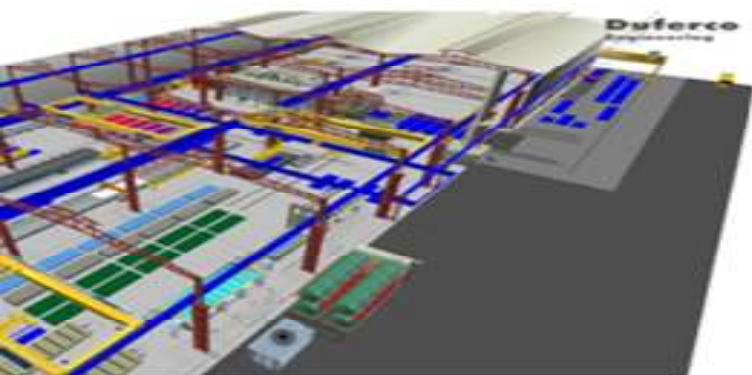
BMV'S Veronica Steel
Chengdu, Sichuan, China
05:22:10

PROJECTS AND STUDIES - LO

PLATES PRODUCTION

(IN PROGRESS)

RONA STEEL SPA



- LOGISTICS





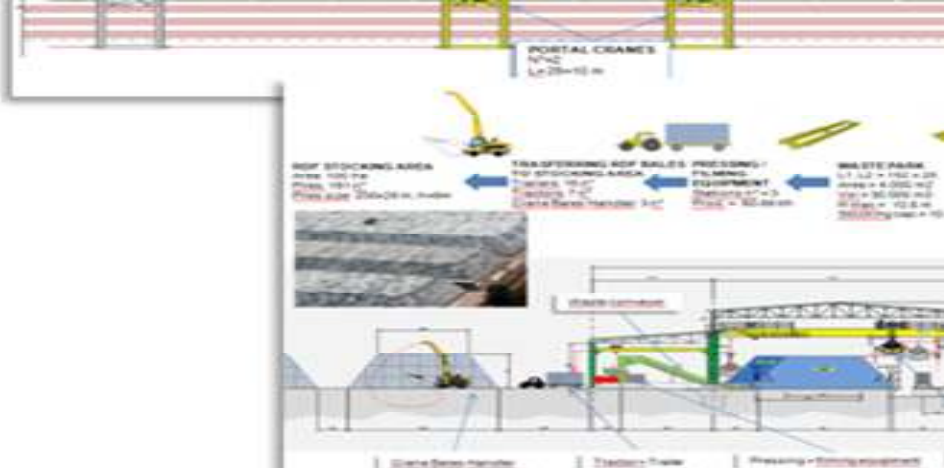
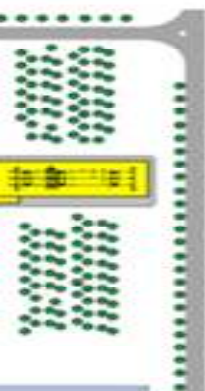
TRAIN TERMINAL

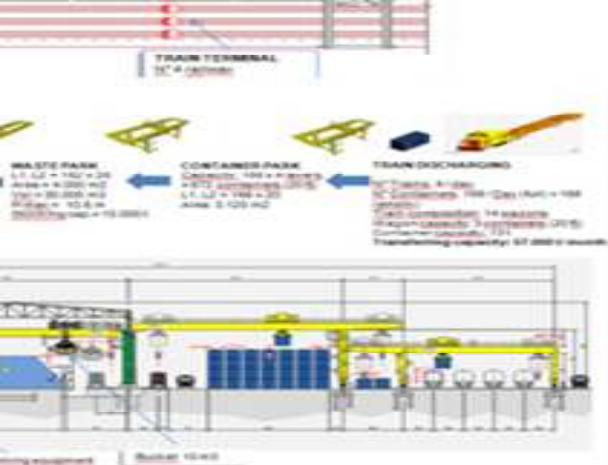
TRUCK - MUNICIPAL SOLID WASTE

TRUCK - RDF SALES APPROPRIATED AT PO



WASTE
 APPORTED AT PORT OF BAK





INEFFICIENCY
BREAK DOWN
DOWSTREAM E
REAL U.I.
AVERAGE CYC



UTILIZATION

OHM 15
AVERAGE CYC
PLATES NUMBER
THEORETICAL U.I.
INEFFICIENCY
BREAK DOWN
DOWSTREAM EQ
REAL U.I.

INEFFICIENCY	10%
BREAK DOWN	5%
DOWSTREAM EQUIPMENT FAULT	2%
REAL U.I.	76.9%
AVERAGE CYCLE TIME	1.07 min



UTILIZATION INDEX – PEAK CONDITIONS

CHM 33	
AVERAGE CYCLE TIME	1.07 min
PLATES NUMBER	67.5 n°
THEORETICAL U.I.	120.1%
INEFFICIENCY	0%
BREAK DOWN	0%
DOWSTREAM EQUIPMENT FAULT	0%
REAL U.I.	120.1%

INEFFICIENCY	10%
BREAK DOWN	5%
DOWSTREAM EQUIPMENT FAULT	2%
REAL U.I.	65.1%
AVERAGE CYCLE TIME	0.93 min



CHM 34	
AVERAGE CYCLE TIME	0.93 min
PLATES NUMBER	60.0 n°
THEORETICAL U.I.	92.6%
INEFFICIENCY	0%
BREAK DOWN	0%
DOWSTREAM EQUIPMENT FAULT	0%
REAL U.I.	92.6%

