GROUP KAMPAKAS



FACILITIES















Casting & Forging



Machining



Metal Constructions



Assembly





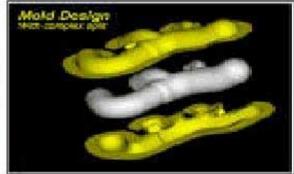


Prototyping





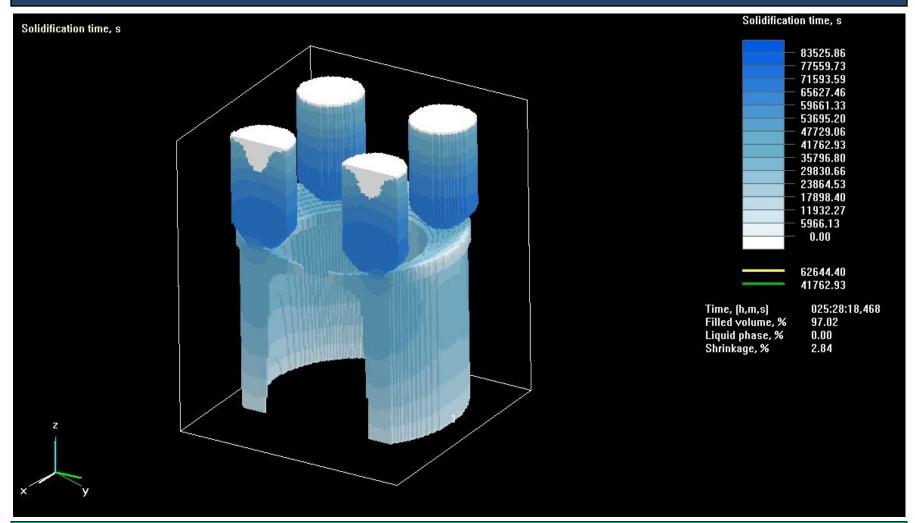








CAD CAM FEA FEM

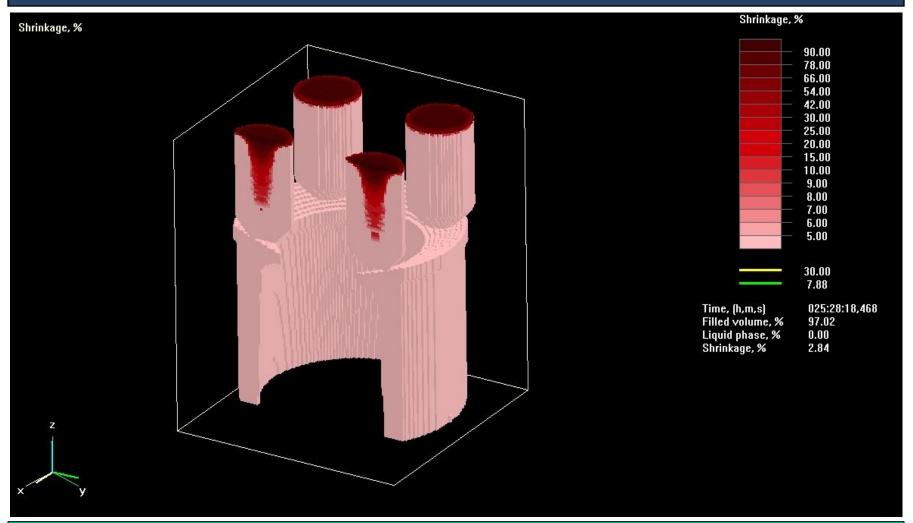




ENGINEERING

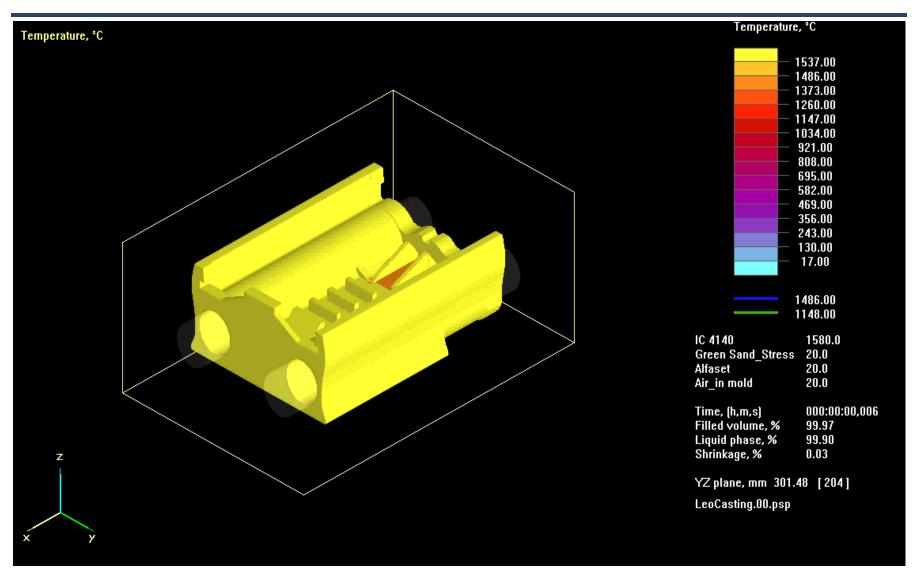


CAD CAM FEA FEM



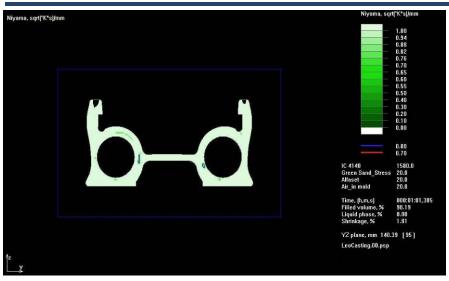


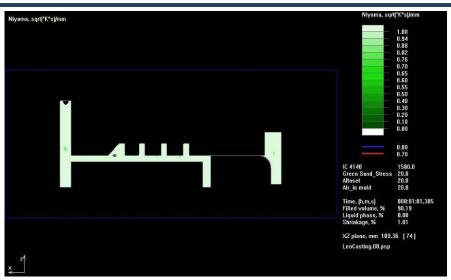


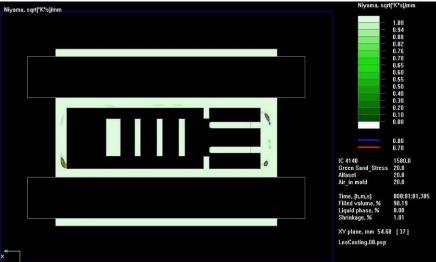


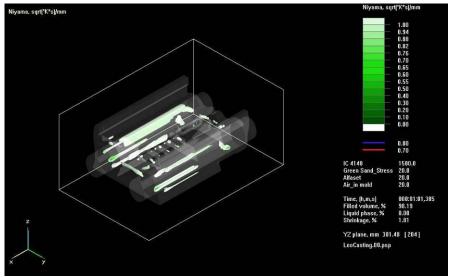








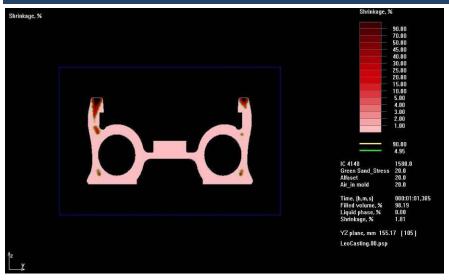


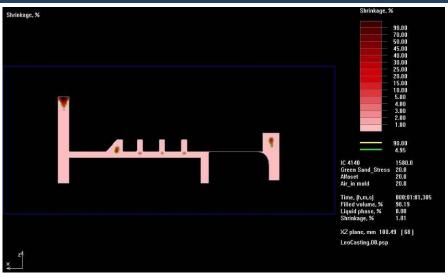


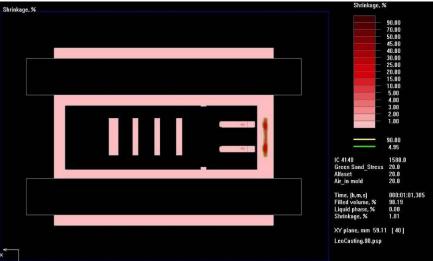
CASTING SIMULATION

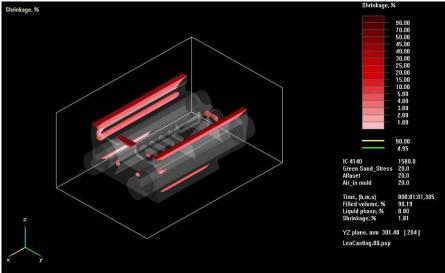








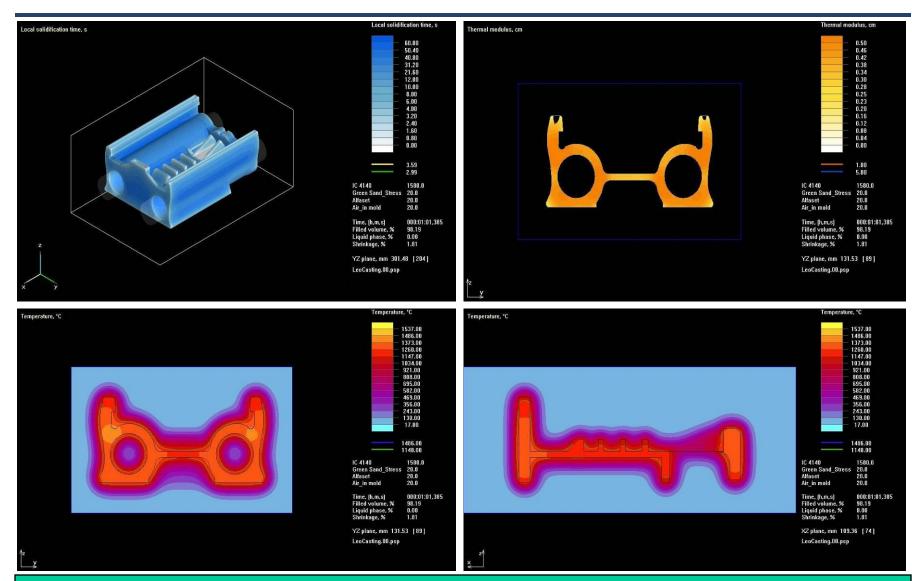




CASTING SIMULATION











Molding



MATERIALS





Molding



Green Sand Molding



Resin
Bonded Sand
Cold Box



Coated Sand (Shell Molding)

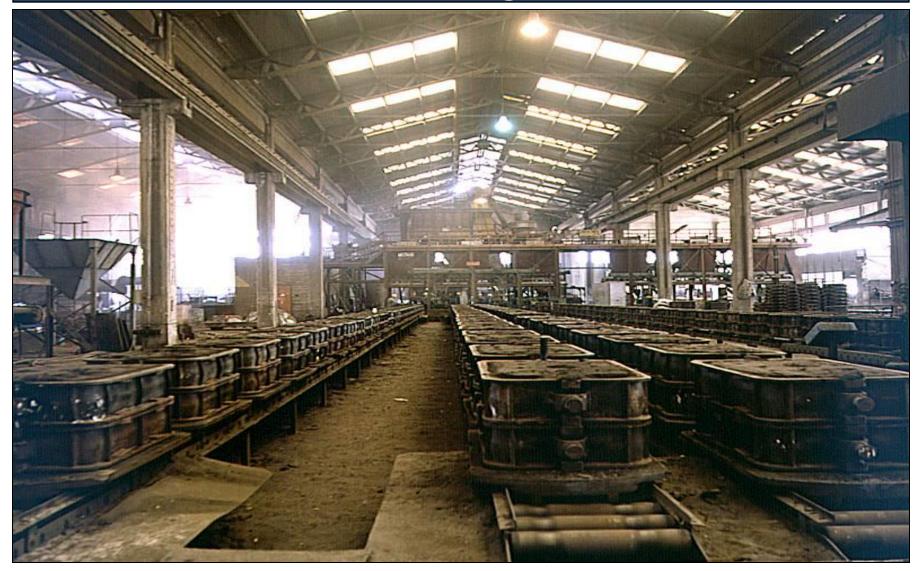


Permanent Mold





Molding







Melting Steel Making











Casting-Alloys

Steel

Carbon Steels
Low Alloyed Steels
Corrosion & Heat Resistant Steels
Austenitic Manganese Steels

Cast Iron

Gray Cast Iron
Ductile Cast Iron
White Cast Iron
High Chromium Cast Iron
Ni-Hard

Aluminum Alloys Al-Mg-Si Al-Cu

Copper Alloys

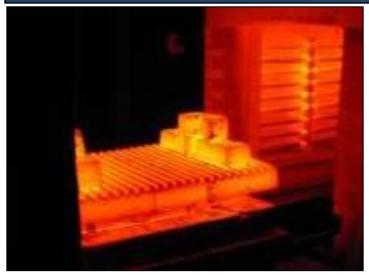
Brass
Bronze
Aluminum Bronze
Manganese Bronze







Heat Treatment



Standard Heat Treatment
Annealing
Normalizing
Quenching in air oil and water
Tempering
Solution Hardening-Ageing (AI)

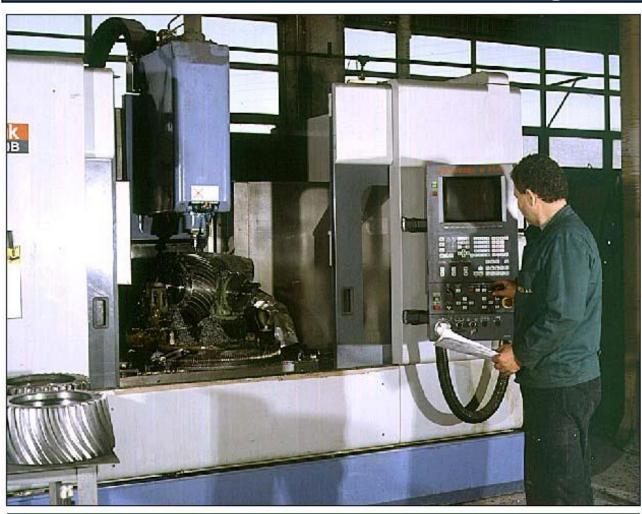


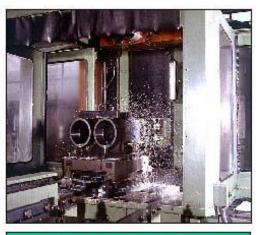
Surface Hardening Induction Hardening Flame hardening





CNC Machining





HORIZONTAL CNC MACHINING CENTRE



BORING CNC-SHAFT Φ120-(2 x 2 x 2 m)

CNC MAZAK





Conventional Machining





HORIZONTAL LATHE-1 METER DIA-5 METERS LENGTH



BORING-SHAFT Φ100

VERTICAL LATHE 5.5 M DIA





Metal Constructions and Forgings







HYDRAULIC PRESS



QUALITY



ISO 9001

EAAHNIKH AHMOKPATIA
HELLENIC REPUBLIC

ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΗΣ ΑΜΥΝΑΣ MINISTRY OF NATIONAL DEFENCE

ΓΕΝΙΚΗ ΔΙΕΥΘΎΝΣΗ ΑΜΎΝΤΙΚΩΝ ΕΞΟΠΛΙΣΜΩΝ & ΕΠΕΝΔΎΣΕΩΝ

GENERAL DIRECTORATE FOR DEFENCE ARMAMENTS & INVESTMENTS

BEBAIΩΣΗ CERTIFICATE

BEBAIQNETALOTI H EAAHNIKH ETAIPEIA: THIS IS TO CERTIFY THAT THE HELLENIC COMPANY:

ΚΑΜΠΑΚΑΣ ΑΒΕΕ - ΕΡΓΟΣΤΑΣΙΟ ΞΑΝΘΗΣ

Διομήδεια ΤΘ 114, 67 100 Ξάνθη

KAMPAKAS SA – XANTHI PLANT

Diomidia P.O.Box 114, 67 100 Xanthi, GREECE

ΕΙΝΑΙ ΕΓΓΕΓΡΑΜΜΕΝΗ ΣΤΟ "ΜΗΤΡΩΟ ΚΑΤΑΣΚΕΥΑΣΤΩΝ ΑΜΥΝΤΙΚΟΥ ΥΛΙΚΟΥ ΤΟΥ ΥΠΕΘΑ" ΜΕ ΑΥΞΟΝΤΑ ΑΡΙΘΜΟ ΜΗΤΡΩΟΥ: 0079 ΓΙΑ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ ΣΤΟΥΣ ΤΟΜΕΙΣ:

- ΚΑΤΑΣΚΕΥΗΣ ΧΥΤΩΝ & ΣΦΥΡΗΛΑΤΩΝ ΜΕΤΑΛΛΙΚΩΝ ΜΕΡΩΝ ΚΑΙ ΕΞΑΡΤΗΜΑΤΩΝ ΓΙΑ ΑΜΥΝΤΙΚΑ ΣΥΣΤΗΜΑΤΑ

IS REGISTERED IN "THE REGISTRY OF DEFENCE MATERIEL MANUFACTURERS OF THE HELLENIC MOD", CERTIFICATE NUMBER: 0079, FOR THE ACTIVITIES OF:

- MANUFACTURING OF CAST & FORGED METAL PARTS AND COMPONENTS FOR DEFENCE SYSTEMS

H ΙΣΧΥΣ ΤΗΣ ΠΑΡΟΥΣΉΣ ΒΕΒΑΙΩΣΗΣ EINAI MEXPI 31 ΑΥΓΟΥΣΤΟΥ 2012

THIS CERTIFICATE IS VALID UNTIL 31 AUGUST 2012

H BEBANDEN AYTH EXEL BEADOR! IE BAAPMON'N TOY NO. 3/2008 (BEK. A' 3/14 fav. 2008) KAN HEXYET THE EAPPTATAN AND THN EYNEXH. XMMOPQOET HER EERPREAM, BEEN ES LEED BY A COORDANICE WITH PRESIDENTIAL DECREE 3/2008 (FEK. A' 3/14 Jan. 2008) AND ITS VALIDITY DEPENDS ON THE UNIFFERINE TO COMPANIE WITH PRESIDENTIAL DECREE 3/2008 (FEK. A' 3/14 Jan. 2008) AND ITS VALIDITY DEPENDS ON THE UNIFFERINE TO COMPANIE WITH TERMS AND CONDITIONS

Ηρερομηνία/Date 31Αυγούστου/August 2010

ΕΥΑΙΤΕΛΟΣ ΒΑΣΙΛΑΚΟΣ EVANGELOS VASILAKOS ΓΕΝΙΚΟΣ ΔΙΕΥΘΎΝΤΗΣ - GENERAL DIRECTOR

EUROPEAN QUALITY ASSURANCE - EUROPEAN QUALITY ASSURANCE



CERTIFICATE OF ASSESSMENT

The certification Body

European Quality Assurance Hellas

certifies that

KAMPAKAS S.A.

with address HEADOFFICE:DIOMIDEIA XANTHIS, 671 00 XANTHI SITE:B' VI.PE VOLOU, 381 00 VOLOS

has established and applies a Quality Management System which is in conformance with

ELOT EN ISO 9001:2000 (Quality Management System)

for the following scope(s):

METALLIC CONSTRUCTIONS - WELDINGS.
MACHINE WORKS AND HEAT TREATMENTS.
PRODUCTION AND SALES OF CASTINGS AND FORGING
CASTINGS.

GENERAL MANAGER
CHARALAMBOS GALATSANOS

This Certificate of Conformity Number is valid until 13th JULY 2009

1763 first issued on 14th JULY 2006 and is issued subject to the regulations and within

the accredited scope of

European Quality Assurance Hellas Makedonias 7, 152 33 Chalandri, Athens Hellas



CERTIFICATE No 193 (A1/1) ELOT EN 45012

The use of accreditation mark indicates accreditation in respect of those activities covered by the accreditation certificate nr. 193 (A1/1)

EUROPEAN QUALITY ASSURANCE - EUROPEAN QUALITY ASSURANCE

ISO 9001:2000

- •Castings of Steel, cast Iron, Aluminum and Copper Alloys
- •Production of Forgings
- Fabrications,Welded Structuresand MachiningOperations

NATO CAGE CODES

BMTE: G-1745

GMC: G-1508

KAMPAKAS: G-0897

HELENIC MOD:

Certificate No 0079



QUALITY



QC Laboratories



LABORATORY - XANTHI



QUALITY



QC Laboratories





MICROHARDNESS-METALLOGRAPHY



SPECROGRAPH Fe, Cu, A1-32 ELEMENTS

EXPANSION METER



PRODUCTS



Small Castings / Forgings - Machining











PRODUCTS



Medium Castings - Machining







PRODUCTS



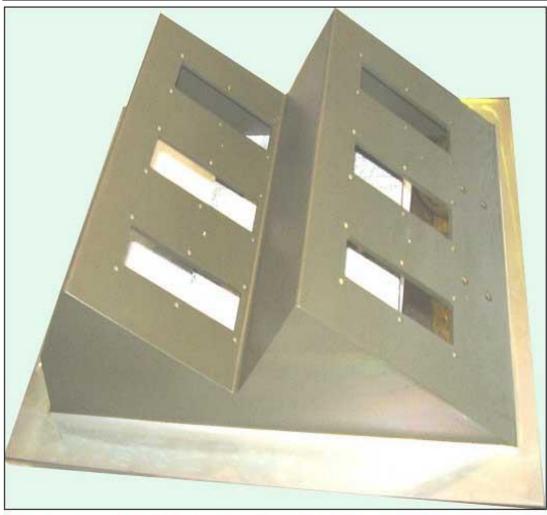
Large Castings – Welded Structures - Machining

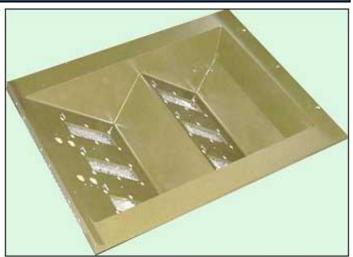


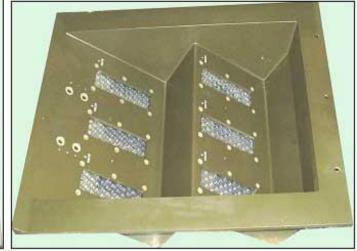




Aluminum Castings







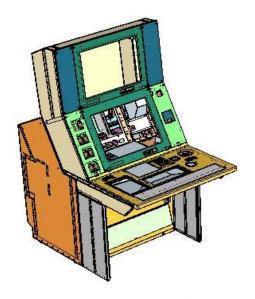
BOXES FOR ELECTRONICS HERMES II PROGRAM HAI

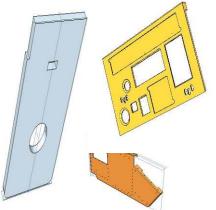




Fabrications



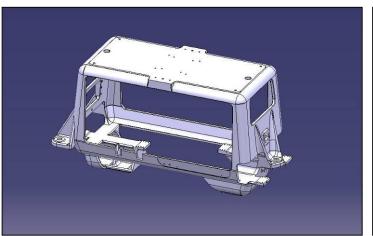


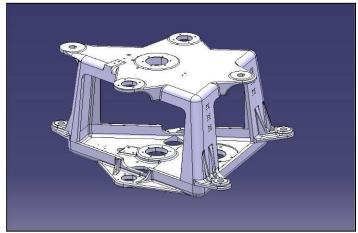


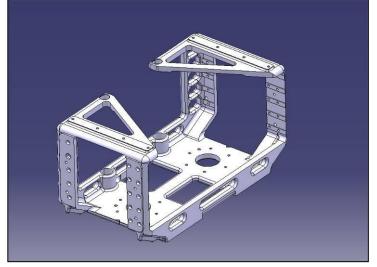


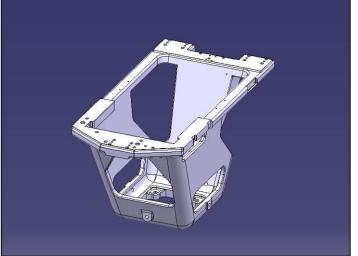


Parts for CERN







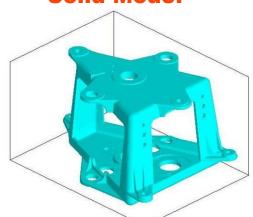




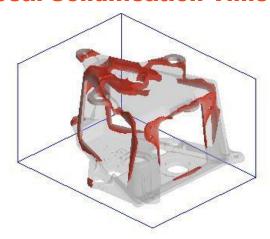


Parts for CERN

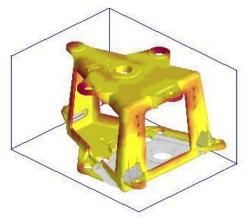
Solid Model



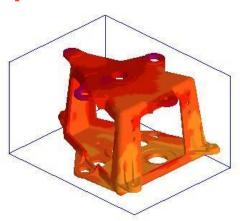
Local Solidification Time



Fluid Velocity



Temperature Distribution







Parts for CERN

Casting





Heat Treatment



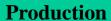
Machining





Inspection









Parts for CERN









Case Boit Carter for Target North Zone.





Parts for CERN

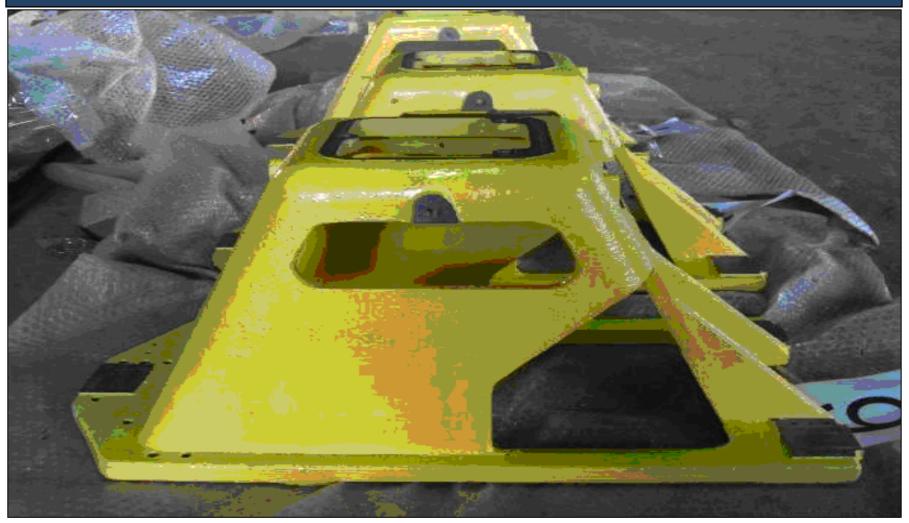


Carter for Target North Zone.





Parts for CERN



Carter for Target North Zone.





Parts for CERN



Corps de Boit for Target North Zone.





Thamk You