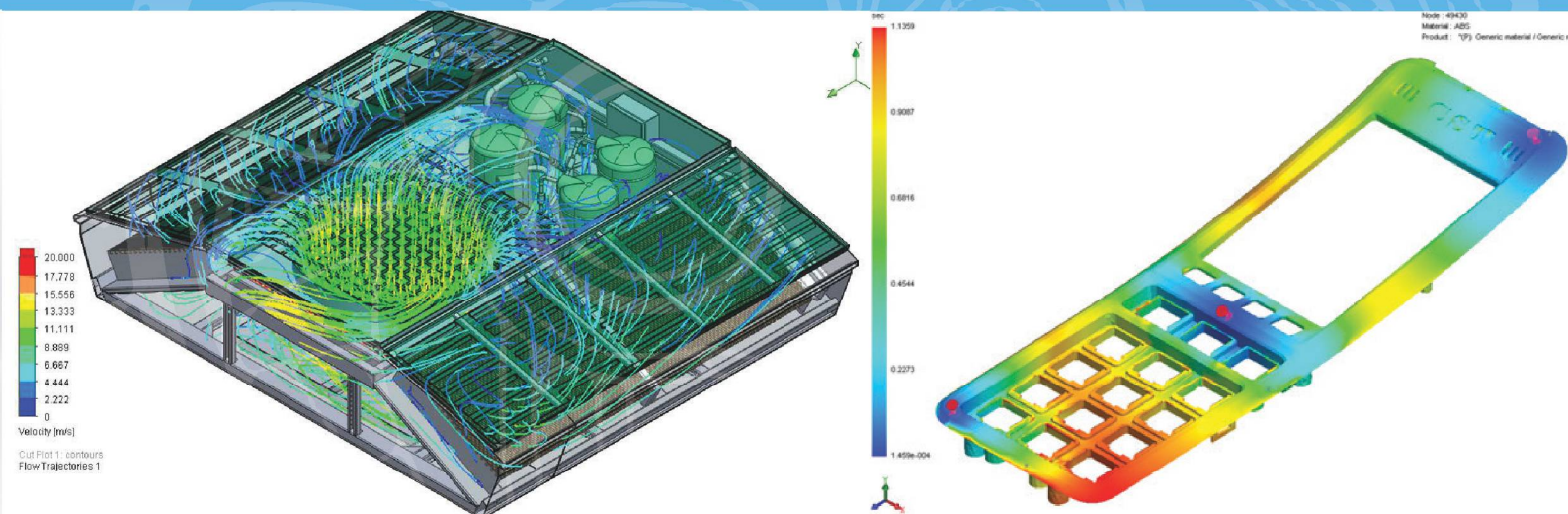




# Conceptia®



## WHAT WE DO?

Manufacturing	CAD/CAE Analysis		Design & Support Service
<ul style="list-style-type: none"> <li>Access Solutions</li> <li>Reengineering</li> <li>Retro fitment</li> <li>SPM – Concept to delivery</li> </ul>	<b>CFD Analysis</b> <ul style="list-style-type: none"> <li>Thermal</li> <li>Hydraulic</li> <li>Lift &amp; Drag</li> <li>Electronics cooling</li> </ul> <b>Plastics</b> <ul style="list-style-type: none"> <li>Mould Flow</li> </ul>	<b>FEA Analysis</b> <ul style="list-style-type: none"> <li>Static</li> <li>Vibration</li> <li>Shock</li> <li>Fatigue &amp; Creep</li> <li>Drop test</li> <li>Non linear</li> </ul>	<ul style="list-style-type: none"> <li>2D/3D- Drawings &amp; engineering</li> <li>Product development</li> <li>Design vetting</li> <li>Rendering</li> <li>Event depiction through animation</li> </ul>

## WHO WE ARE?

Conceptia is a decade old company with pan India reach and having offices spread across India and APAC. We etched a name in the areas of CAD/ CAE, SPM Manufacturing, General Engineering, Marine and Offshore design with diverse clientele from India and overseas. We have about 260 engineers spread out across India. Our design office at Bangalore has state of art facilities and can accommodate about +60 engineers.

## WE BELIEVE AND ARE COMMITTED TO

- Innovative solutions
- Customer centric approach
- On time delivery with assured quality
- Cost effective solutions
- One stop solution for end to end Eng. Design.

**Conceptia Software Technologies Pvt. Ltd**

#22, 2nd floor, 100 feet ring road, 6th block. 3rd phase, BSK 3rd stage, Bangalore-560085

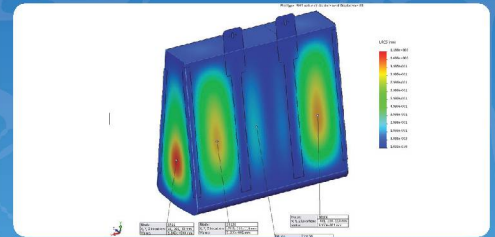
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# CFD/FEA Analysis

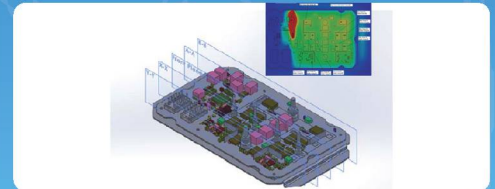
## AEROSPACE & DEFENSE INDUSTRY [AS&D]

Environment testing / evaluation for defence application of shock and vibration as per defense standards, structural substantiation validation to meet Aviation requirements to Federal Aviation Regulations [USA-FAR & FAA], MIL 810, DO160 and JSS 55555



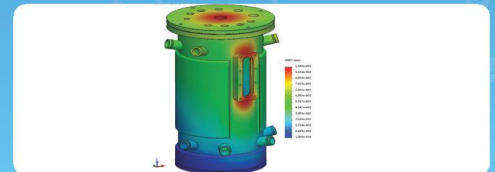
## ELECTRONICS INDUSTRY

Design of enclosures including ventilation and validation of heat sinks, wiring harness layouts, EMI Analysis, ruggedization for AS&D application, drop test analysis and BOM generation.



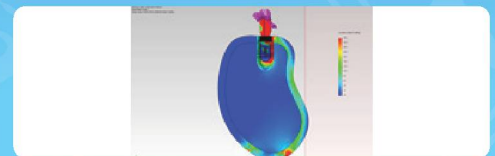
## PRESSURE VESSEL DESIGN

Design, and development of pressure vessel, modelling and analysis to meet ASME standards and extraction of production drawings.



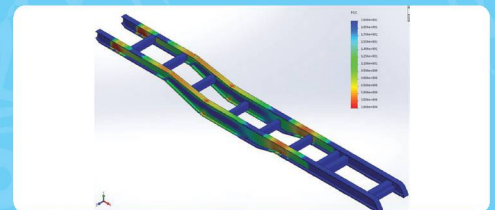
## MEDICAL DEVICE INDUSTRY

Design, analysis and development of production drawings for implants and prosthesis.



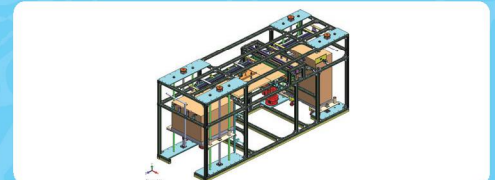
## GENERAL ENGINEERING & CONSUMER INDUSTRY

Design & analysis of products, plastics, 3D modelling to give the virtual look and feel of product, lifting analysis, fatigue and creep analysis, die and mould analysis



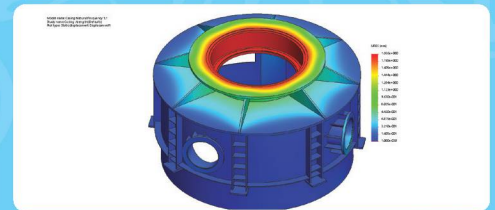
## MACHINE TOOL INDUSTRY

Optimization of SPM designs to make it sleek, attractive, economical and user friendly by considering ergonomics and aesthetics.



## HYDRAULIC INDUSTRY

Pumps and turbines- Efficiency prediction, flow streamlining and performance improvements through parametric and CFD analysis.



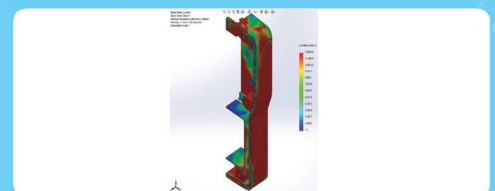
## PROCESS & PETRO-CHEMICAL PLANTS

Design of system schematics & P&ID, tank internal design and analysis, skid design and 3D modelling on PDMS, Design of BOP of Hydro power plant.



## NON LINEAR ANALYSIS

Evaluation of stress in plastic and checking of gasket tightening requirements.



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# We Manufacture

World class Manufacturing  
at affordable cost

## Special Purpose Machines

- Conceptual Design
- Complete Manufacturing
- Delivery & Installation
- Maintenance support



## Access solutions

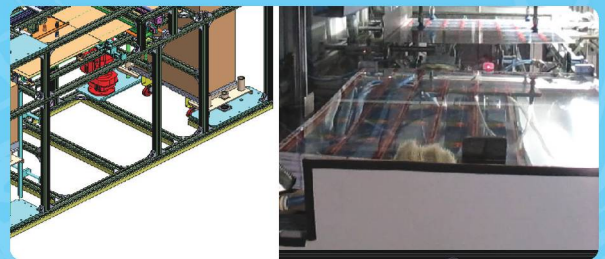
## CONCEPTIA'S AUTOMATED DOORS

Enhanced Security through following optional features

- Full body scanning
- CC Camera interface to capture entry and exit
- Thermal Imaging & weapon detection
- Automatic weight recorder
- Biometric / RFID authentication
- Interlock to prevent multiple entry on single authentication.
- Safety features to prevent inadvertent human injury
- Low overall life cycle cost
- Ease of operation and attendant free

## REENGINEERING & DEVELOPMENT

We specialise in reverse engineering of SPM with emphasis on the design optimization and feature enhancement like aesthetics, sleek and user friendly by considering ergonomics, and automation.



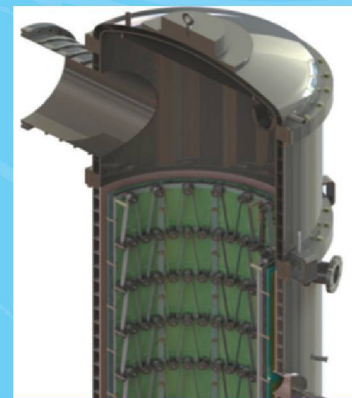
## 3D PRINTING

As a part of Conceptia's engagement with latest technologies, we have started projects under Rapid prototyping with 3D printing & successfully completed the manufacturing.

This will allow industrial designers and engineers to test their product thoroughly in real world while reducing scrap & time to market.

## RETRO FITMENT

Conceptia has handled a variety projects in this category. Major project was retro fitment of a Vertical vacuum annealing furnace of 12m height weighing 10 tons with design improvements while retaining the foot print and overall space envelope.



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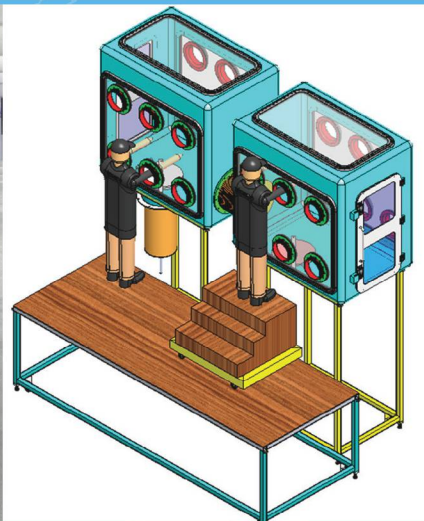
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# Design & Support Service

Product development with advanced 3D CAD &  
Complete manufacturing support



## WE OFFER?

- Conceptual design
- Product design & development
- 3D modeling & drawing extraction
- CAE/CFD Analysis
- Photorealistic rendering
- Event depiction through animation

## SOME OF OUR CLIENTS



### Cochin - Branch Office Conceptia Software Technologies Private Ltd.

Building No. XXIV/40 A,  
First Floor, Cochin University Road, South Kalamassery,  
Cochin - 682022,  
Kerala, India  
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services@conceptia.in

### Subsidiary Office Singapore

Conceptia Asia Pacific Private Ltd.  
10 Anson Road  
# 05-17, International Plaza,  
Singapore - 079 903  
www.conceptia.in  
services@conceptia.in

### Conceptia Software Technologies Pvt. Ltd

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