

## CARDIX SA - Executive Summary - FEB 2002

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### ❖ MAIN ACTIVITY:

CARDIX, is a major company dedicated to deliver Engineering & Industrial Solutions, oriented towards the management of *PLM solutions (Product / Process Lifecycle Management)*. Using the ultimate technology for CAD/CAM/CAE & PDM, e-business & e-collaboration tools, and our vast experience of ten years in the market; we provide “end-to-end” solutions for the Digital Enterprise.

### ❖ GOALS:

Our main goal is to reduce risk, optimize investments and cost, accelerate your time-to-market and enhance team collaboration, for our customers products design and manufacturing processes, by improving their efficiency, quality and functionality.

### ❖ ALLIANCES:

Strong alliances with **IBM and Dassault Systemes**, give us in the advantage to develop solutions over *CATIA, ENOVIA, SmarTeam and Delmia products*, designing and simulating all the Product Lifecycle phases, having control and administrating the production process.

### ❖ LOCATIONS / PERSONELL:

We have two strategic offices, Buenos Aires and Cordoba in Argentina; and business in Chile, Brazil, Mexico, Ecuador in Latin America Territory and USA, France, etc. CARDIX is composed of 35 professionals trained in different areas, of our core business, PLM.

### ❖ CERTIFICATIONS:

ISO 9001:94 (May 1999), IBM Business Partner, SUN VAR, Dassault Systemes Competency Center (LA)



[www.cardix.com](http://www.cardix.com)

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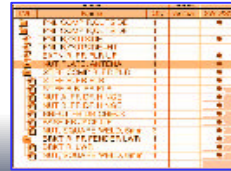
# Our Vision of Digital Enterprise & PLM Concept ...



Marketing & Sales



Production



Procurement

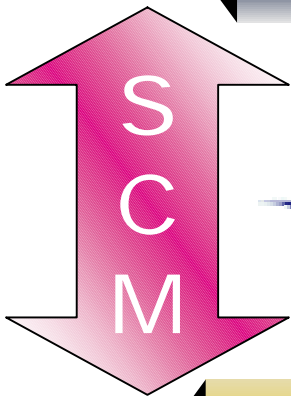


Finance

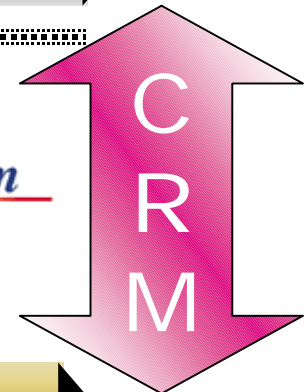


Human Resources

**ERP Pipeline**



**Product Data Management (P.D.M.)**



**Product Process Life Cycle Management (PLM) Pipeline**



Digital Mockup



Digital Plant



Digital Maintenance & Operations



Digital Manufacturing



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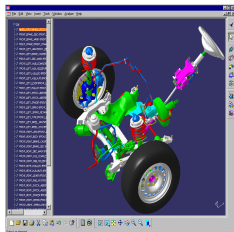
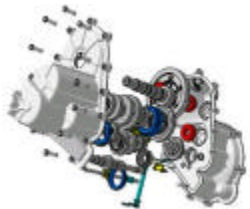
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# Our Main Services ....

## Engineering Solutions with ...

- **CATIA Solutions**
  - ⊗ CAD / CAM / CAE
  - ⊗ CAID / KBE
  - ⊗ Plant Layout
- **SmarTeam & ENOVIA Solutions**
  - ⊗ PDM & e-Engineering
- **Delmia Solutions**
  - ⊗ Discrete Events Simulation - QUEST
  - ⊗ ROBOTS Off-Line Programming and Simulation - IGRIP & Numerical Control Mach.
- **Sell & Implement PLM Software and Hardware**  
**IBM B.P.- SUN & SGI VAR's**



## Industrial Design Services for ...

- **Product Design**
  - ⊗ Conceptual Design and full detail engineering
  - ⊗ Prototypes and Low Series
- **Packaging and Bottles Developments**
  - ⊗ Design of Product Families
  - ⊗ Dimensioning, weight & resistance with FEA Finite Elements Analysis
  - ⊗ Package and Storage Design
- **Multimedia Kiosks**
  - ⊗ Full Solution Design - Functional and Ergonomic



## Virtual Manufacturing for ...

- **Consulting Services: Industrial Plants and Production Lines, etc.**
  - ⊗ Flow and Bottle-neck analysis
  - ⊗ Tuning and Process Balancing
- **Plant Lay Out**
- **Off-Line ROBOTS Simulation and y Programming - IGRIP / Numerical Control Mach. - VNC**
- **Ergonomic Studies with ERGO**
- **Part Assemblies - ENVISION**



## Calipers, Mechanical Fixtures and Tooling...

- **JIGS and Fixtures**
  - ⊗ Generation of creative design alternatives with different complexity.
  - ⊗ Use of the 3D Digital Mockup of the part or product data
  - ⊗ Increases capability to implement quick modifications over engineering changes.
  - ⊗ Movements and interference analysis
  - ⊗ Automatic design of production drawings and specifications

