

3DEXPERIENCE

MACHINE FOR MANUFACTURING “ECODUCTS” – PROJECT AND DESIGN

AN ALTERNATIVE FOR RECYCLING
TYRES



With SIMULIA and CATIA V5

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(((CASE STUDY: MACHINE FOR MANUFACTURING "ECODUCTS" - PROJECT AND DESIGN

(((PLACE: Aeronautical Department - School of Engineering - National University of La Plata - La Plata - Buenos Aires - Argentina

(((SITE: Aula Virtual - DSS PLM Center

(((DS BRAND: SIMULIA - CATIA V5 - CATIA V6 - ENOVIA V6 - Academic and Research Solution



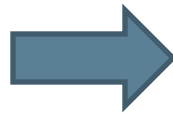
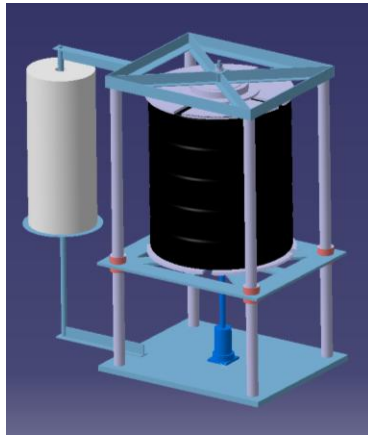
**Generating KNOWLEDGE
 and its application to
 society and industry**

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OBJECTIVES:

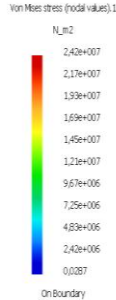
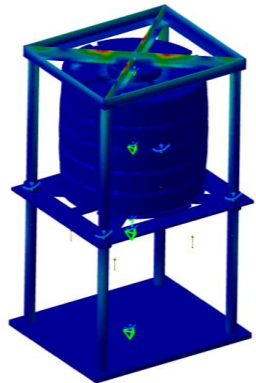
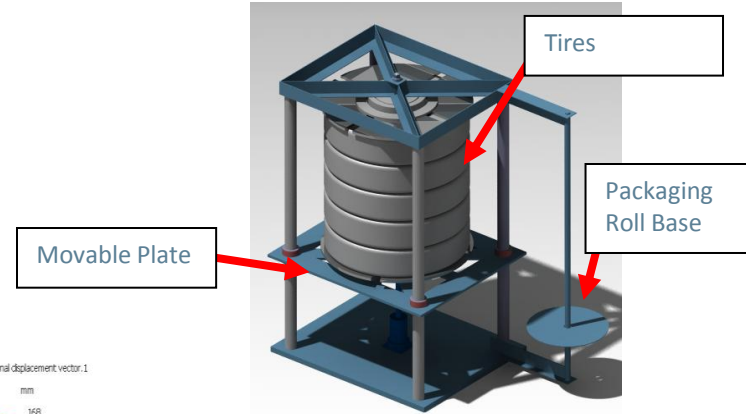
DESIGN AND ALTERNATIVE FOR RECYCLING AUTOMOTIVE TIRES.
 THIS ALTERNATIVE CONSIST IN THE USE OF TIRES AS WATER
 CONDUCTS. THE OBJECTIVE IS TO DEVELOP A MACHINE FOR
 MANUFACTURING "ECODUCTS". A DUCT FOR DRAIN STACKED
 WATER.



SUMMARY:

- ✓ DESIGN AND VIRTUALIZATION OF THE MACHINE
- ✓ ANALYSIS OF MODELING TECHNIQUES
- ✓ FINITE ELEMENT ANALYSIS
- ✓ RESULTS ANALYSIS
- ✓ VALIDATION OF RESULTS USING THE MANUFACTURED PROTOTYPE
- ✓ MANUFACTURING DRAWINGS

MACHINE DESIGN



FEM Analysis

