

# Ford Romania Intern Program Internship Workplan



<b>Project Name:</b>	<b>WATER TEST CONVEYOR DESIGN</b>	<b>Supervisor Name:</b>	<b>Daniel Iova</b>
<b>Department Name:</b>	<b>TC &amp; FINAL</b>	<b>Supervisor CDSID:</b>	<b>diova</b>
<b>Assignment Location:</b>	<b>CAL CONVEYOR</b>	<b>Supervisor Position#:</b>	<b>SENG.</b>

## Project Description

Risk of injury during car water testing. Because of the fact that the car inside the test booth and on inspection line is transported with small floor conveyor only on car left side wheels the right wheels rotate being an risk for inspection personnel – injury at sole of the foot level.

Need to be found a solution to avoid right wheels rotation in the inspection area. Is indicate to be designed another conveyor in parallel with existing one but synchronized with this.

Solution needs to be with, as possible, low cost of materials and manpower.

Taking into consideration that this kind of risk mean personnel injury, the scope of the project is to solve the cars right wheels not rotate

## Measurable Objectives

Eliminate all safety risks for personnel.

## Expected Major Contributions

Study and understand of process unfolding.

Design of new conveyor in parallel with existing one .

## Expected Benefits to Intern

To get familiar with floor conveyor.

To get familiar with devices which synchronize the new conveyor.

To get familiar with data analyze and implement their.

## Intern Qualifications (schooling, work experience, major)

Mechanical Engineering:

- Measuring tools usage.
- Technical drawing
- 3D design