

Ford Romania Intern Program Internship Workplan



Project Name:	Increase the life time of the engine adapter bolts	Supervisor Name:	Adrian Calangiu
Department Name:	PTO / Assembly	Supervisor CDSID:	acalangi
Assignment Location:	CEPRo	Supervisor Position#:	PTM

Project Description

The engine is currently tightened on the adaptor with 4 bolts. 2 bolts are tightened by the automatic machine in Op60 and another 2 are manual assembled by the operator in Op70. After 200 cycles the system is sending automatically the pallet trough the Pori for bolts replacement. The scope of the project is to increase the number of cycles by increasing the life time of the bolts.

Measurable Objectives

Reduce costs.
Reduce maintenance workload.
Eliminate all safety risks due to bolts issues

Expected Major Contributions

Material resistance study.
Trials and capability studies.

Expected Benefits to Intern

To get familiar with assembly process
To get familiar with statistical data analyze

Intern Qualifications (schooling, work experience, major)

Mechanical and Electro-Mechanical Engineering:

- Measuring devices.
- Technical drawing
- Automobiles