

**Project title:** “Research on technology of using composite coating structural carbon steel to increase working life in marine environment”

❖ **Objectives:**

1. Successfully building a technological process of composite coating structural carbon steel to increase working life in marine environment serving fishery industry.

❖ **Contents:**

1. Identifying technical requirements
2. Researching and producing composite material appropriated to technical requirements
3. Researching on technology treating surface steel appropriated to composite coating technology.
4. Studying on effect of steel composition and working environment on quality of structural carbon steel coated with composite
5. Building technological process of composite coating for structural carbon steel in marine environment
6. Testing and completing the process

❖ **Implementation period:** 5/2009-5/2011

❖ **Implementation person:**

MSc Phan Quang Nhu, Center for Experiments and Practices

❖ **Results:**

1. A technological process manufacturing composite material.
2. A technological process treating steel surface
3. A technological process of composite coating structural carbon steel to increase working life in marine environment
4. Equipment coated with composite following the process.
5. An article published on a recognized journal

❖ **Applied places:**

1. Center for Experiments and Practices