

BEST PRACTICE CATEGORY:

Energy and Water management

Industry: Manufacturing

Company Size:

- 0 – 500
- 500 – 2000
- 2000 – 5000
- 5000 – 10000
- 10000+

Country: Indonesia (Batam)

PROJECT OWNER

Name: Eric ATTON

Department: Operations

CompanyWebsite :

www.vallourec.com



GREEN HOUSE PROJECT

VALLOUREC

BACKGROUND

Vallourec is a world leader in premium tubular solutions primarily serving the energy markets, as well as other industrial applications. With 22,000 employees, integrated manufacturing facilities, advanced R&D, and a presence in more than 20 countries. This project initiated at corporate level in order to be able to improve our impact on energy and therefore on environment. Our subsidiary PTCT in Batam, Indonesia, PTCT joined the world wide project and defined local objective to reach to corporate target.

OBJECTIVE(S)

Reduce the Energy and water consumption of our operations by 20% in 2020 (2008 base reference).

Covering: Electricity, Gas, Fuel and Water

APPROACH

The process consisted in an evaluation of the actual situation following a corporate check list. Definition of KPI and reference level. Implementation of a steering comity at plant level reporting to corporate steering comity in order to get proper benchmark and action follow up and group synergy. Implementation of local continuous improvement teams to generate at employee level progress actions

RESULTS

Water : **57% reduction** of m3/Ton Produced by end of 2011

Gas: **29% reduction** of m3/Ton Produced by end of 2011

Electricity: **16% reduction** of KWH/ Ton Produced by end of 2011.

Very good results at this stage considering that original target are to achieve - 20% in 2020. One of the coming difficulties will be the justification of potential investments in view of the low cost of energy in the AP zone. But still some reasonable potential gains to be done

KEY SUCCESS FACTORS

CONTRIBUTION TO CORPORATE PERFORMANCE

The above results translate positively directly into the financial Net Results of the company. A lot of the actions required low investment or investment with quick payback

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE BENEFITS

Reduction of 57% of Water consumption is preserving local water reserves of Batam Island. It is also reducing the need of water treatment due to lower reject level.