

## Creation of a hydraulically solidified base layer in the course of the new construction of the Trans-Papua-road

### Jobsite report

### Roads

**Location**  
Merauke, Indonesia

**Execution**  
May 2014

**Milling depth**  
25 cm



## **Characteristics of this project**

- › No gravel/aggregate material available
- › No durable stabilisation of the existing laterite soil by using traditional soil cement technology
- › Heavy rainfall, road is flooded for several days

## **Factors of success for NovoCrete®**

- › The existing laterite soil could be stabilised
  - ›› *Secure and durable*
- › The layer absorbs no more water and remains stable
  - ›› *Time and money savings*

**Manually distribution of the cement bags**



**Spreading of the exactly defined amount of NovoCrete® per m<sup>2</sup>**



**Milling process of the cement-Novocrete® mixture**



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**Homogeneous mixture after the milling process**



**Irrigation of the area (protection against evaporation)**



**Leveling of the fine level by using a grader**



**Static and dynamic compaction of the fine level by using a steel drum roller for achieving the required degree of compaction**



**Leveling of the fine level by using a grader**



**Stabilized NovoCrete® base course layer (before irrigation process)**



**Close-up of the NovoCrete® base layer**



**Finished road with asphalt layer**





# NovoCrete®

Soil stabilization technology

Please find further information about NovoCrete® as well as further jobsite reports for the fields of application paths, roads, areas, foundations, railways and harbours on our website [www.novocrete.com](http://www.novocrete.com)

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