

Condition Monitoring Training at Indorama Ventures Europe B.V.



Indorama Ventures Europe B.V.

The Indorama PET facility is located in the industrial area of Rotterdam. [Indorama Ventures Europe B.V.](#) is part of [Indorama Ventures Public Company Limited](#). The company is world leader in the field of petrochemical production. Since 2013 the annual production capacity of 200.000 tons



per annum has been extended to 400.000 tons per annum. A stable production process is therefore of great importance to this plant. Unplanned maintenance or unplanned stops would cause huge costs¹. In order to avoid this, Istec has given a Condition Monitoring training to the Maintenance Team of Indorama. The training took place in March 2016 and consisted of 2 x 2 days.

Training

Istec has organized a [basic training](#) (Wilcoxon [MAC810](#)) Condition Monitoring for the Maintenance Team of Indorama. A total of 20 people participated in the training. The first day consisted of theory and the second day consisted of practice. The theory part explained everything about Condition Monitoring (vibration measurements). The practice part consisted of vibration measurements (with the Wilcoxon



MAC810 handheld vibration meter), analyzes and data acquisition. The Maintenance Team worked with the MAC810, under supervision of our condition monitoring specialist, in order

¹ An unplanned stop often causes high (unnecessary) costs. Condition monitoring (predictive maintenance) can prevent an unscheduled stop and avoid high costs to a great extend. Istec organizes courses and training in the field of condition monitoring. These courses can be given on-site or at the main office of Istec International. The completion of a course or training is adapted to the specific situation within the organization of the customer so that it fits perfectly in practice.

to determine the condition of the machines on-site. The training was given by our ISO-18436 category 4 certified vibration consultant. The goal was to familiarize the Maintenance Team of Indorama with data acquisition and data analysis through condition monitoring (using the Wilcoxon MAC810 handheld vibration meter). Another goal for the Maintenance Team was to achieve more involvement to predictive maintenance. As a result of this training, the maintenance engineers of Indorama are able to easily draw conclusions in order to avoid high (unnecessary) costs. The Maintenance Team has successfully participated in this training by gaining practical experience in the field of vibration measurement (condition monitoring) and data acquisition/analysis.

Training content

The basic training (Wilcoxon MAC810) condition monitoring consists of 2 days of training (7 hours a day). The following topics are covered during this training:

- Basic principle vibration measurements (3,5 hours)
- Practice training using equipment (3,5 hours)
- Basic vibration analysis (3,5 hours)
- Practice training analysis (3,5 hours)

Istec has many years of worldwide experience in condition monitoring, preventive/predictive maintenance and machine diagnosis. The highly certified specialists (ISO 18436 categorie 3 and 4) are very capable to take on and solve any challenge in the field of machinery problems/issues. Besides, the high certification of our specialists ensures high quality of the training.

Istec offers several courses and training. You can find the full range of courses and training on our website.