

IDI Composites International Europe

Commitment To Environmental Stewardship

in partnership with:



Summary: BeeOmonitoring Discovery Project

inquiry

Environmental stewardship has long been at the core of IDI Composites International. With day-to-day activities and processes in place to minimize any environmental impacts, IDI Composites International Europe wanted to better understand how effective those processes were at controlling pollution and protecting biodiversity around its manufacturing facility in Vineuil, France. In particular, our team wanted to understand the effectiveness of controlling styrene pollution.

idea

Working with BeeOdiversity, IDI Europe's BeeOmonitoring Project combined the genius of nature, technological innovation, and IDI Europe's community of stakeholders to measure and analyze the biodiversity and pollution within 700 hectares (approximately 7 sq kilometers) of the facility.

Local bee populations can be thought of as natural drones. Each day, they collect pollen samples from local flowers and bring it back to the hive. IDI's partners at BeeOdiversity then can analyze the chemical composition of this pollen, looking for pollutants and other bio-markers.

innovation

IDI Europe and BeeOdiversity carried out a discovery project during Summer 2021. Bee hives were established outside the facility; from June through August, the pollen samples brought back by these bees was collected and analyzed. Findings confirmed that the environment surrounding the IDI facility in Vineuil is well-protected from styrene pollution and its biodiversity of plant species remains high.

What is BeeOmonitoring?

BeeOmonitoring (also known as biomonitoring) is a tool for measuring biodiversity and pollution through the analysis of pollen collected by bees, which act as natural drones and bioindicators.

Used across a wide array of industries and applications – from smart cities, water producers & catchment protection producers, sustainable land use planning, food and beverage, biopharmaceuticals, and more – biomonitoring is a process to collect qualitative and quantitative data on:

- The number and type of plant species present in an area and their impact on the ecosystem;
- The type, concentration and impact of industrial and agricultural pollution;
- Over large areas, at low cost and on a continuous basis.

The measurements collected by this biomonitoring then allow targeted action to be taken, if necessary, by collaborating or communicating with the local community and evaluating the impact of the measures taken, with scientific indicators and figures.

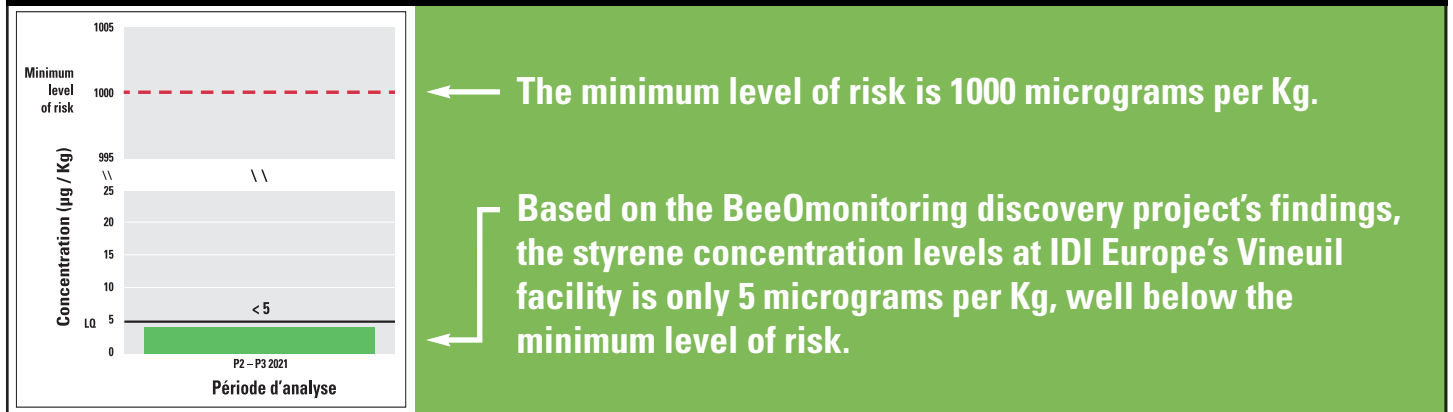
Learn More:
beeodiversity.com

Summary: BeeOmonitoring Discovery Project

Styrene Control And Reduction

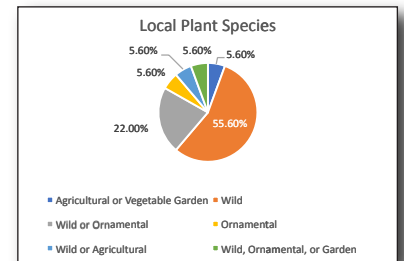
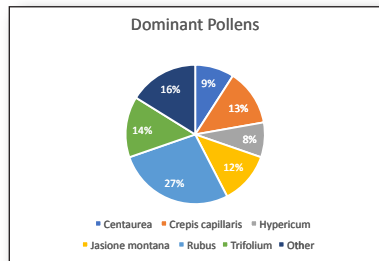
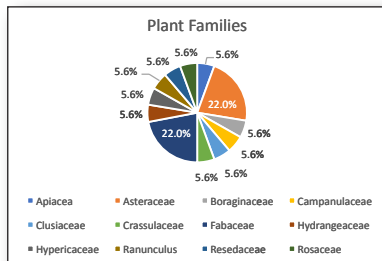
The BeeOmonitoring project confirmed that IDI's measures to minimize – and nearly eliminate – styrene emissions into the surrounding environment are working. Analysis of pollen samples found less than 5 micrograms of styrene per Kg which is well-below the accepted risk level.

Styrene Test Results



Preserving and Regenerating Biodiversity

For our future to be sustainable, regenerating biodiversity and reducing pollution is both vital and creates value for the companies of tomorrow, humanity, the economy and the ecology.



BeeOmonitoring in 2022

The BeeOmonitoring Discovery project during 2021 highlighted positive general results on the state of the environment and low pollution levels surrounding IDI Composites International Europe's site in Vineuil, France. The project will be continued in 2022 and follow a standard protocol of 4 periods, which will make it possible to collect even more accurate data, both for plant biodiversity and styrene. The annual BeeOmonitoring (4 differentiated periods) will allow for:

- Developing a detailed view of the indicators analyzed for 8 months;
- Identifying any one-off problems or their absence, period by period; and
- Comparing the results obtained for IDI's Vineuil site to the average of all the sites monitored by BeeOdiversity for each of the 4 periods.

IDI Composites International Europe



**GLOBAL LOCATIONS
GLOBAL SOLUTIONS**

idicomposites.com



North America
Noblesville, IN

Europe
Vineuil, France

United Kingdom
Oldbury, UK

Asia/Pacific
Shanghai, China

Caribbean
Aguirre, Puerto Rico

Mexico
Mexico City, Mexico