



SeaData Sp. z o. o. is a polish company, based in Gdynia, specializing in high quality analytical systems and IoT services.

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OUR CLIENTS



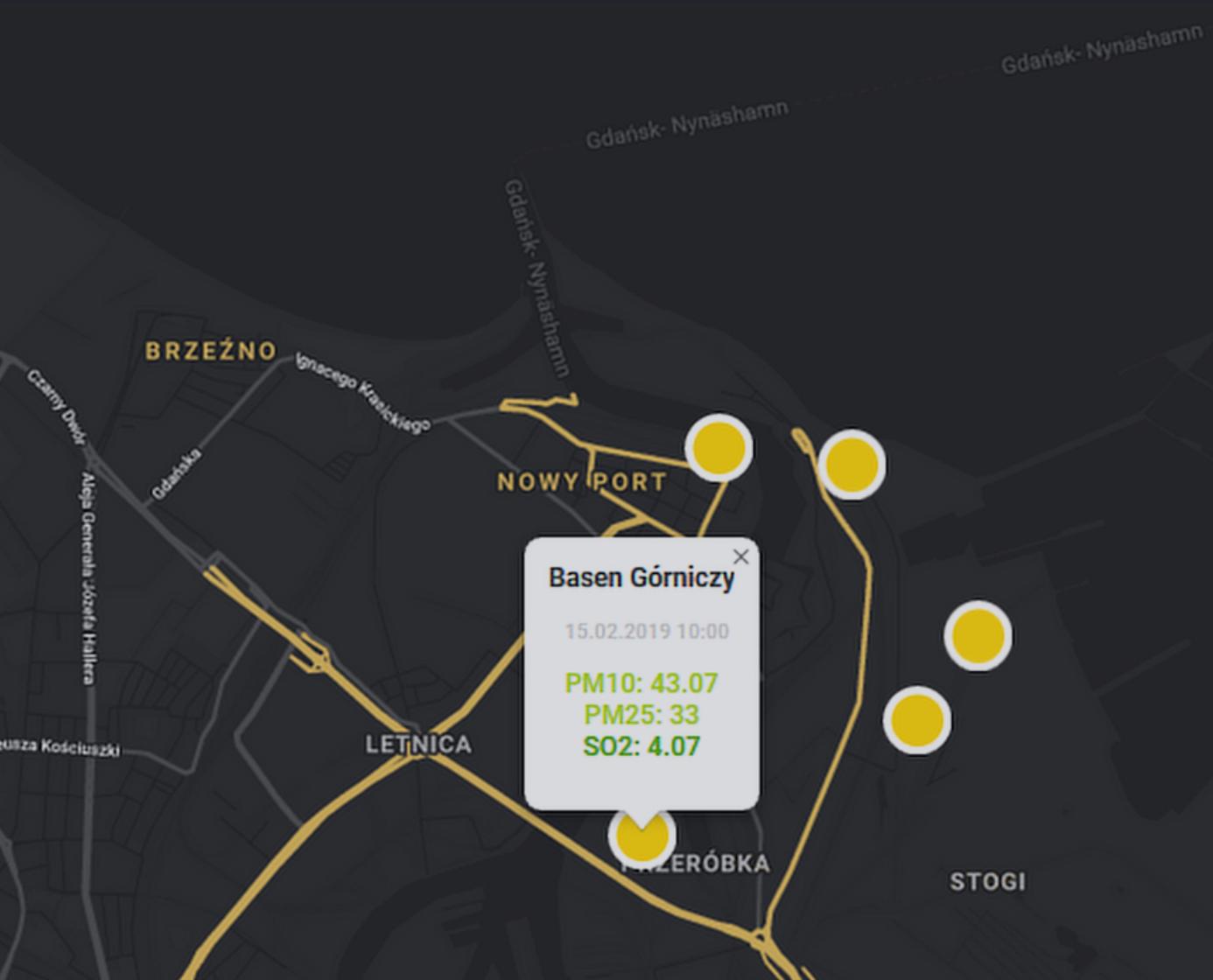


YETIBOX

yetiBox is equipped in sensors detecting particulate matter in the air (PM) that range in size between 1, 2.5 and 10 μm and noise level. The installation process requires only to plug it in, and as it can be remotely operated - no further assistance is needed. Data assembled by yetiBox is continuously transferred to the integrated analytical platform <http://yeticense.com>.

YETISENSE

Thanks to various diagrams and high resolution maps yetiSense provides the client with an uncomplicated and forthcoming analysis of air quality for chosen period of time. That's not all! The platform is also equipped in other features, like report generation and configurable notification system - regarding the transgression of allowable limits. Weather forecast is included in the system too. It is also used in the generation of risk of dust dispersion prognosis, incorporated into a yetiSense system as well.



FEATURES

yetiBox network

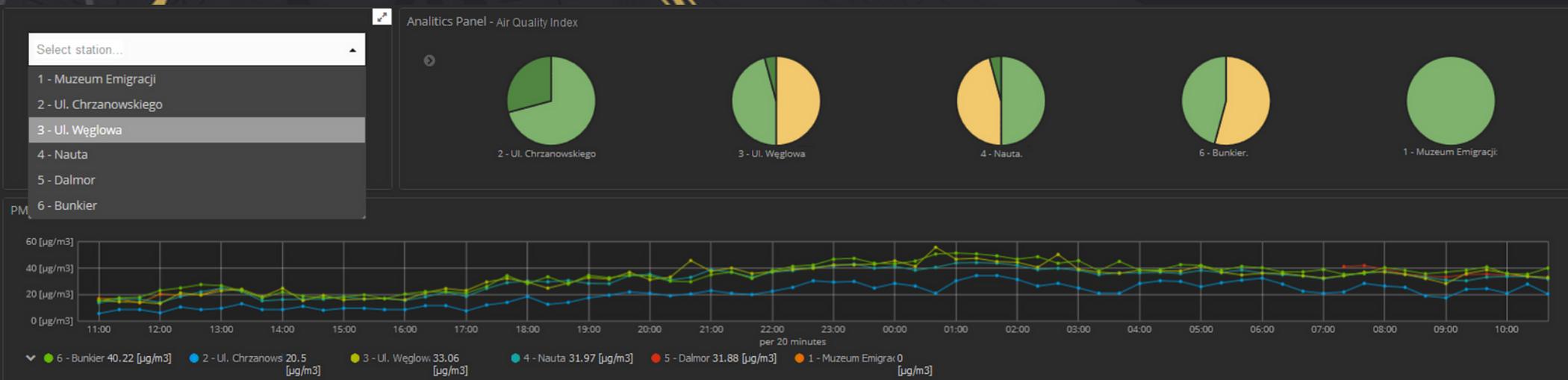
Together, installed yetiBox'es create a network, which enables identification of the source of the pollution. They are also necessary for the verification of dust dispersion risk forecast accuracy.

5 Air Quality Indexes

in the yetiSense system the AQI's recommended by European Union, local Environmental Agencies and scientists are calculated. They define air quality for different periods of time and enable user to get a better view of current and past situation.

Sophisticated Analysis

Interactive diagrams make the analysis of air pollution much easier! yetiSense users can compare values from different yetiBox'es, download reports and analyse episodes of exceedances of allowed limits.

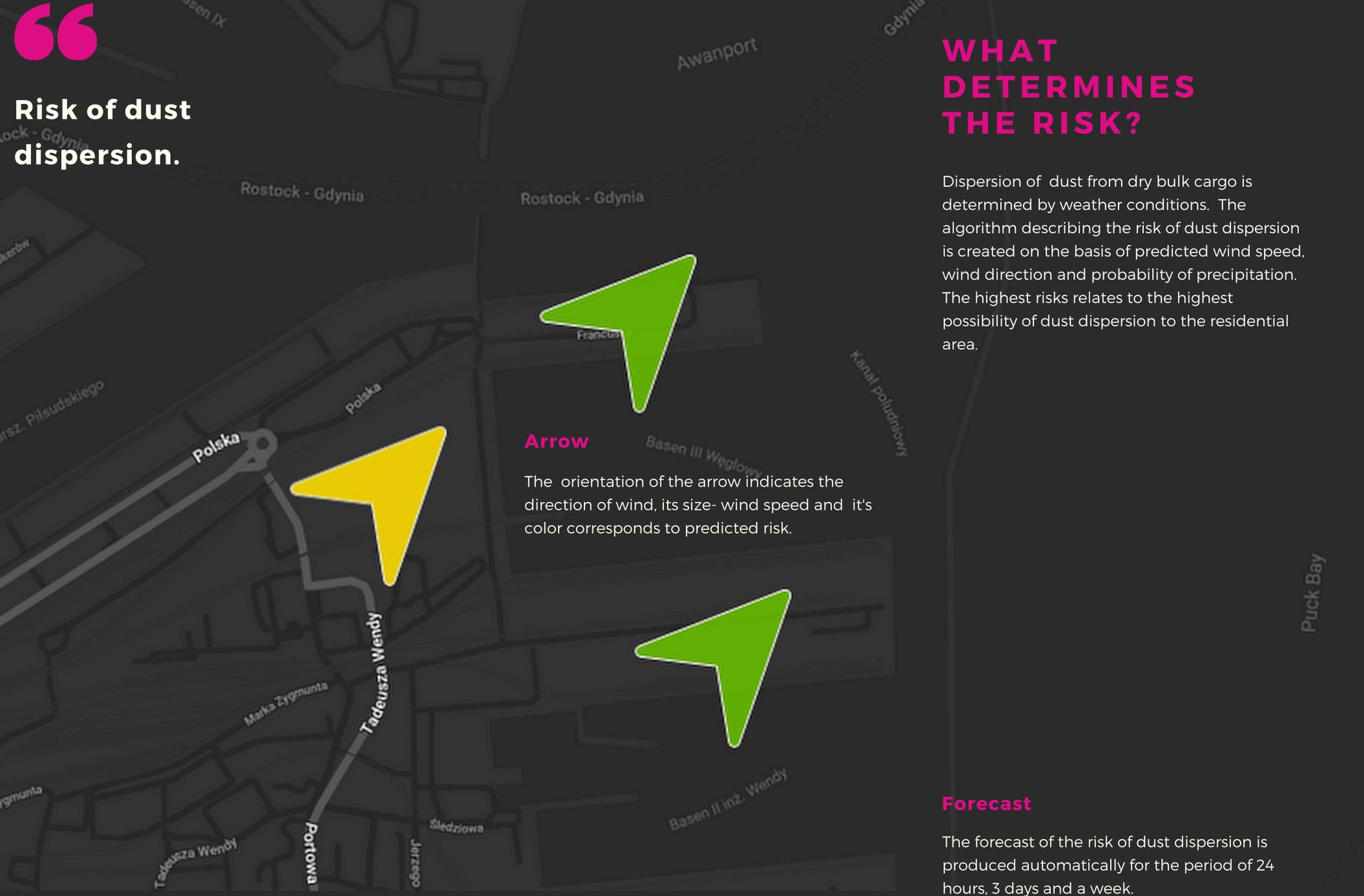




Risk of dust dispersion.

WHAT DETERMINES THE RISK?

Dispersion of dust from dry bulk cargo is determined by weather conditions. The algorithm describing the risk of dust dispersion is created on the basis of predicted wind speed, wind direction and probability of precipitation. The highest risks relates to the highest possibility of dust dispersion to the residential area.



Arrow

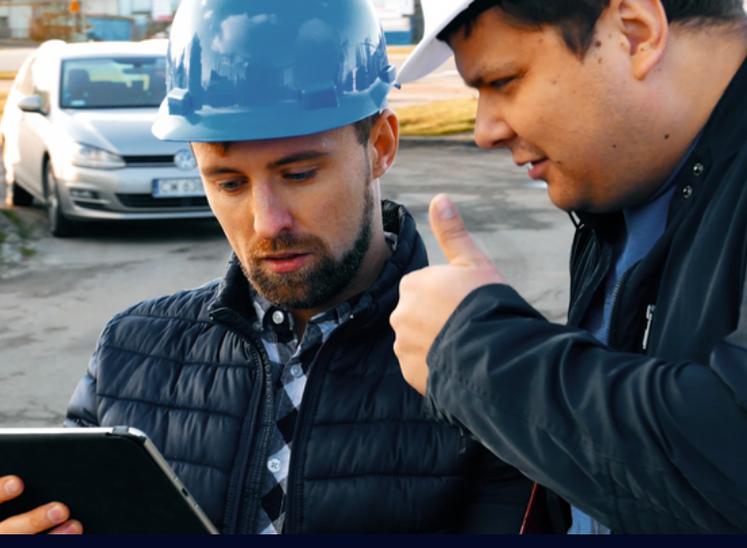
The orientation of the arrow indicates the direction of wind, its size- wind speed and its color corresponds to predicted risk.

Forecast

The forecast of the risk of dust dispersion is produced automatically for the period of 24 hours, 3 days and a week.

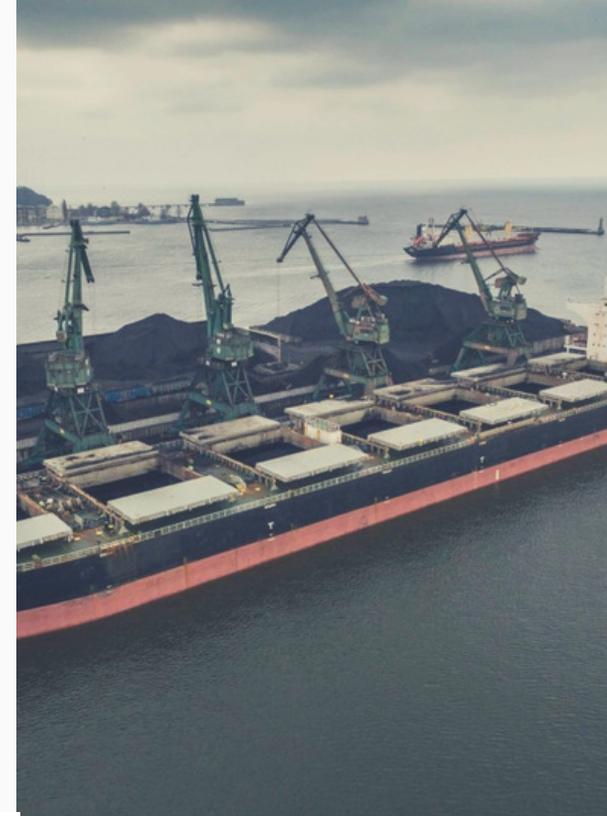
The forecast of dust propagation risk:

2019-02-16 01:00



“

Everyday automatic reports about the risk of possible particulate emissions due to bulk cargo operations are generated and send to the dispatchers in the terminals.



Forecasted risk of dust dispersion from bulk cargo operations for 2019-02-15

Date	Forecasted risk (1-5)	Wind direction	Wind speed [m/s]	Wind gusts [m/s]	Is there precipitation?
2019-02-15 07:00	2	W	5,58	9,2	TAK
2019-02-15 08:00	2	W	5,65	8,81	NIE
2019-02-15 09:00	2	W	5,64	8,4	NIE
2019-02-15 10:00	2	W	5,46	7,89	NIE
2019-02-15 11:00	2	W	5,21	7,37	NIE

Zarząd Morskiego Portu Gdynia S.A. **PORT GDYNIA**

Portce - Wydarzenia - Przetargi - Inwestycje i Projekty - Ochrona środowiska - Kontakty i adresy -

monitoringu powietrza w Porcie Gdynia

Zegary monitoringu powietrza w Porcie Gdynia

Opublikowano: 14 September 2018



Zobacz na mapie: <http://yetimap.com/#PortGdynia>



Everyday forecast enables the authorities to implement safeguard measures.

The information about air quality can be shared publicly on the client's website.



WHY CONTROL AIR POLLUTION?

Dust dispersion have always presented a challenge for companies working with dry bulk cargo. A range of solutions and precautions can be applied, like spraying with water or cellulose, but sometimes even those fail.

Isn't it much simpler to look ahead and plan dry bulk cargo operations accordingly to weather conditions?

SeaData offers a solution that can, thanks to the forecast of the dust dispersion risk, increase air quality in the Ports and their surroundings. An ongoing control of air pollution may also decrease the costs of emissions reduction and dry bulk cargo maintenance.

Cleaner industry means more likeable industry and happier employees.