deepki

Implementing an energy management approach for 33 000+ buildings

SNCF

The challenge

SNCF came to Deepki with 4 objectives:

1 **Outsourcing the collection** of environmental data(energy, water)

2 **Centralizing all consumption data** as part of an energy management approach

3 **Finely gauging each building's energy consumption**, to re-invoice local entities as accurately as possible

4 **Advancing the group's goal** of reducing buildings' CO_2 emissions by 50% between 2015 and 2030

Client	**SNCF**
Location	**Europe**
Sector	**Transport**
Skills	**#Data Collection** **#CSR Monitoring** **#Financial Reporting**

Results

- **Remarkable time savings** for SNCF
- **+700,000 invoices collected** from 900 energy and water suppliers
- **Automatic collection of energy data** from +30 suppliers
- **Ongoing improvement** of data collection automation
- **11 tariff optimizations** for a total of +€150,000 excl.tax
- **Growing use of the Deepki Ready** application with an average of 600 daily connections each month

850+
optimizations detected for a total of +1M € excluding VAT

56 000+
alerts detected on electricity, +13,500 on water and +7,500 on gaz

440+
recurring users on the Deepki Ready application

75%
of 25,000 delivery points collected automatically

Solutions

Data collection outsourcing

Asset data: name, address, surface area, number of floors, building type (train station, industrial technical center, tertiary building, etc.), national entity, associated region, distribution of activities, establishments, etc.

Technical data: equipment, utilities present in each building, etc.

Energy data: historical and current consumption of electricity, gas, heating/cooling network and water.
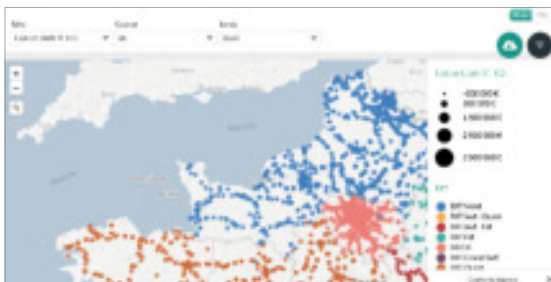
Open data: weather, temperature, etc.

Improved data reliability

Analysis of data consistency and completeness: missing data, duplicate contracts...

Creation of a metering plan linking each meter to its associated building

Creation of a clear property portfolio map with each building's consumption, to ensure accurate re-invoicing

Tariff optimization

Analysis of load curves by algorithms, to detect possible overruns and gain better understanding of consumption periods

Calculation of optimal tariff conditions for each delivery point: subscribed power, tariff option, etc.

Implementation of an energy management approach

Automatic analysis of load curves by algorithms and creation of alerts for:

- overconsumption of electricity, gas and water ;

- subscribed-power overruns ;

- base load consumption ;

Project monitoring & follow up

User training on the tool and support through practical cases

Application geared to 3 main user profiles:

- **Energy transition contacts in the territorial real estate departments:** consumption management and optimization

- **Energy contacts within SNCF entities:** conducting a local utilities management approach

- **Energy managers from multi-technical service providers:** monthly monitoring and management of action plans at +100 energy-intensives sites

About Deepki

As early as 2014, Vincent Bryant and Emmanuel Blanchet realised that data-driven ESG strategy would be key to reforming real estate for the good of the planet. Today, leading international corporations and government organizations turn to Deepki to improve their environmental performance at scale.

We believe that virtous real estate is the way forward

Today, Deepki is active in 38+ countries, with offices in Milan, Madrid, London and Berlin, and trusted by organizations such as Generali, Allianz and JLL, as well as the French government.

www.deepki.com