

ENERCO

Energy Analysis Analyzer

Presentation

A tool for the analysis of electrical consumption in industrial companies.
Real-time or delayed analysis of the behavior of all electrical parameters for a machine or a group of machines of any power.

01

Modular

Able to supervise an unlimited number of machines at a rate of two machines per central.

Installation

Quick and easy installation without the need to stop the machines.

02

03

Display

Monitoring on web interfaces, mobile and local server.



Communication
WIFI or WIRED



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Energy Analysis ^{Analyzer}

Spécifications Techniques

- ⊗ Connects to the ENERCO system database.
- ⊗ Analysis of harmonic distortion rates at the main breaker.
- ⊗ Transient voltage analysis.
- ⊗ Monitoring of the evolution of the energy consumption with selection of date/time or over the day.
- ⊗ Display of total energy and per phase.
- ⊗ Analysis of simple and compound voltage variations with date/time selection and Min / Max voltages display.
- ⊗ Analysis of power variations by phase (active, reactive and apparent) with selection of date/time and Min / Max powers display.
- ⊗ Follow-up of the variations of the power factors by phase with selection of date/time and Min / Max $\cos(\varphi)$ display.
- ⊗ Harmonic analysis by phase with date/time selection.
- ⊗ Monitoring of simple and compound voltage transients with date/time selection.
- ⊗ Configuration of IP address and server port.
- ⊗ Wired Ethernet or WIFI connection.
- ⊗ User-friendly interface that meets the expectations of industrialists.
- ⊗ Web pages well adapted to professional data analysis requirements.

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Added value



Real-time consumption monitoring

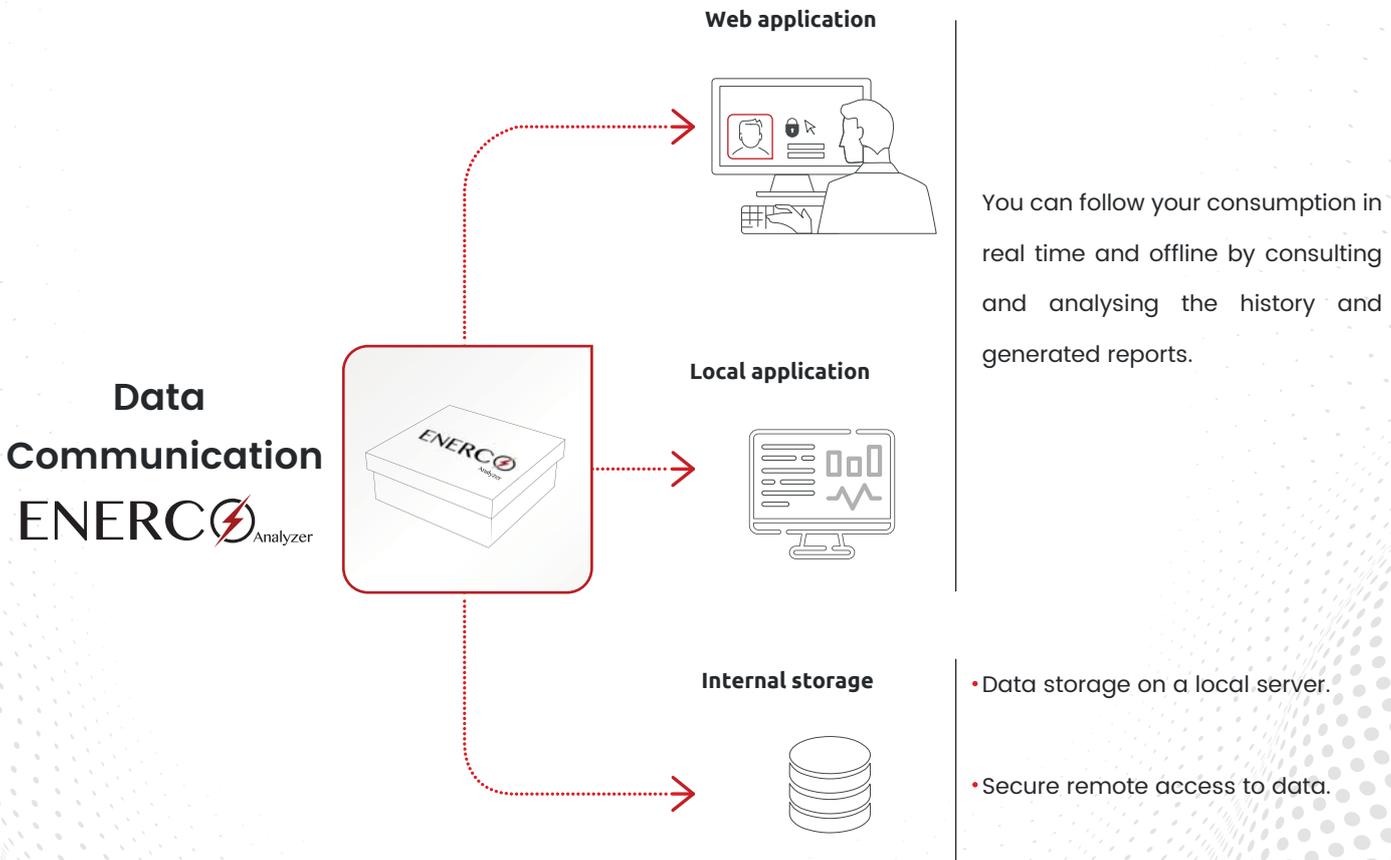
Analysis of energy consumption by machine or group of machines through a programmable period.

Faster detection of anomalies

Detection of unexpected grid faults: Faster diagnosis and intervention

A control of the consumption

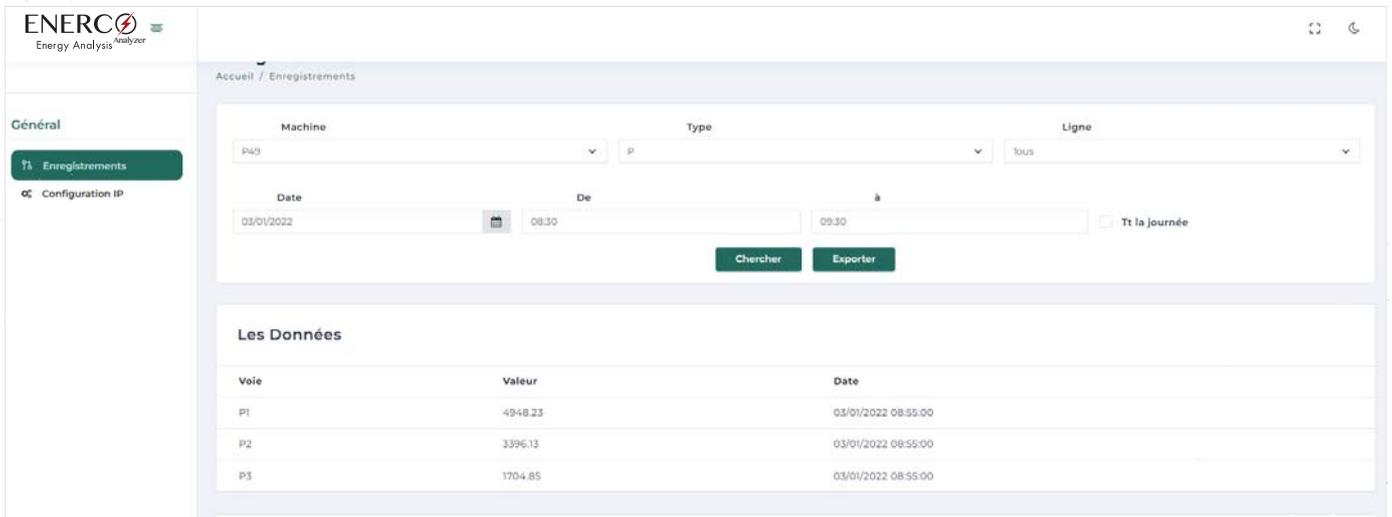
Various analysis and statistics proposed: Energy audit and estimation of energy expenses.



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**Evolution of energy consumption with selection of date/time or over the day.
Display of total energy and per phase**



Accueil / Enregistrements

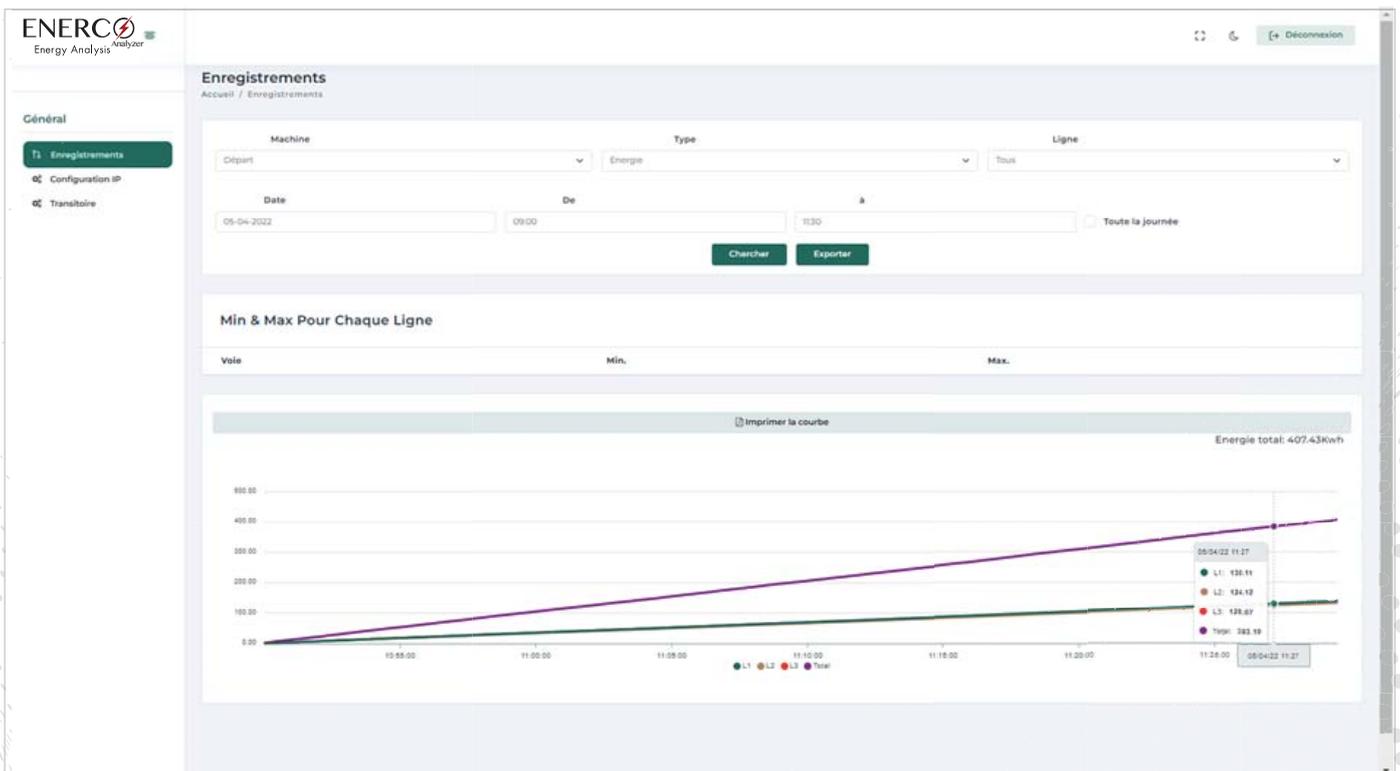
Machine: P49 | Type: p | Ligne: tous

Date: 03/01/2022 | De: 08:30 | à: 09:30 | Tt la journée

Chercher **Exporter**

Les Données

Voie	Valeur	Date
P1	4948.23	03/01/2022 08:55:00
P2	3396.13	03/01/2022 08:55:00
P3	1704.85	03/01/2022 08:55:00



Enregistrements

Machine: Départ | Type: Energie | Ligne: tous

Date: 05-04-2022 | De: 09:00 | à: 11:30 | Toute la journée

Chercher **Exporter**

Min & Max Pour Chaque Ligne

Voie	Min.	Max.
L1	136.11	136.11
L2	134.12	134.12
L3	132.87	132.87
Total	383.10	383.10

Energie total: 407.43kwh

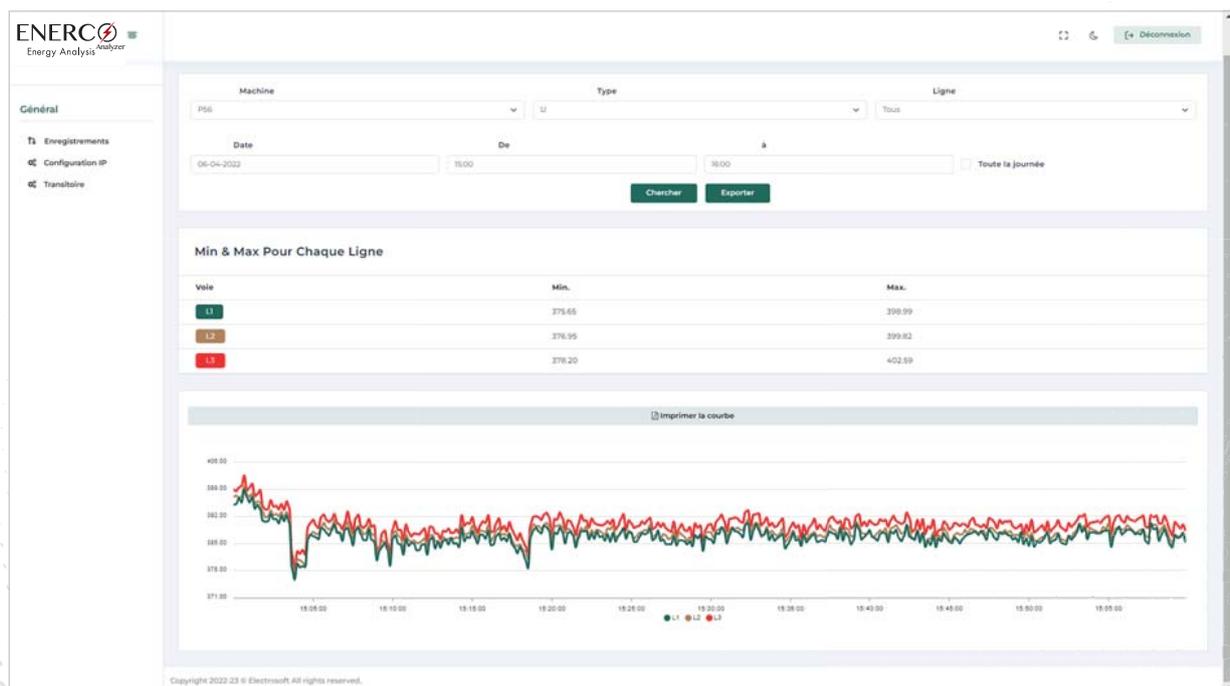
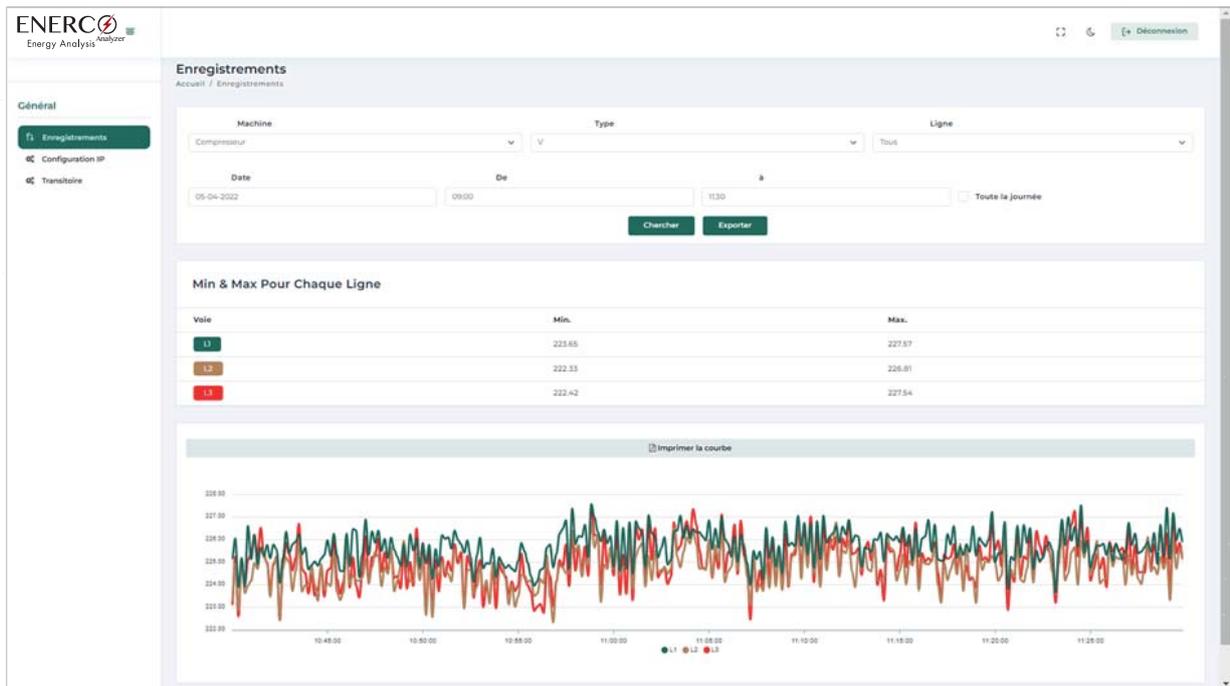
Imprimer la courbe

Graph showing energy consumption (kWh) over time (09:55:00 to 11:26:00) for L1, L2, L3, and Total. The total energy consumption is 407.43 kWh.

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Energy Analysis Analyzer

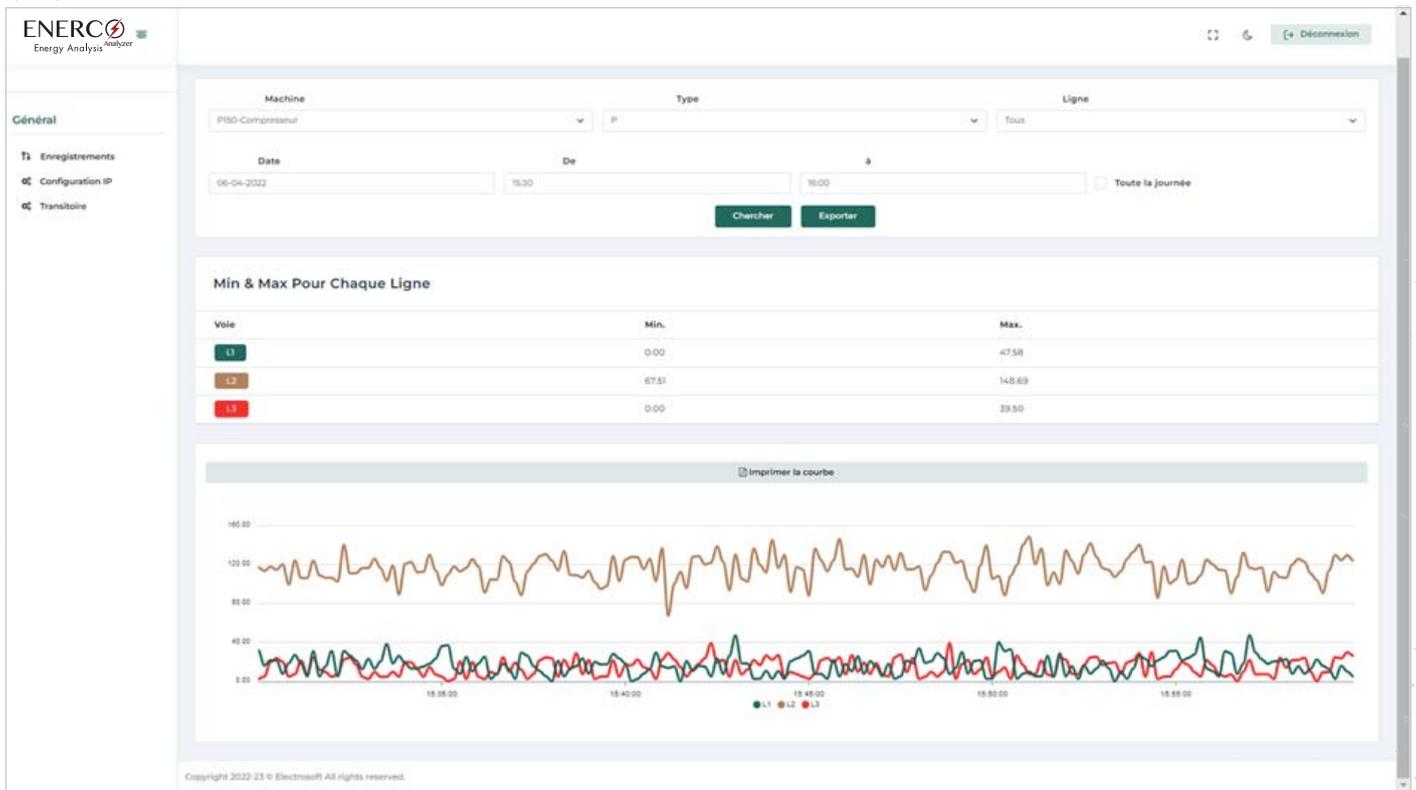
- Variation of simple and compound voltages with selection of date and time and display of Min and Max voltages



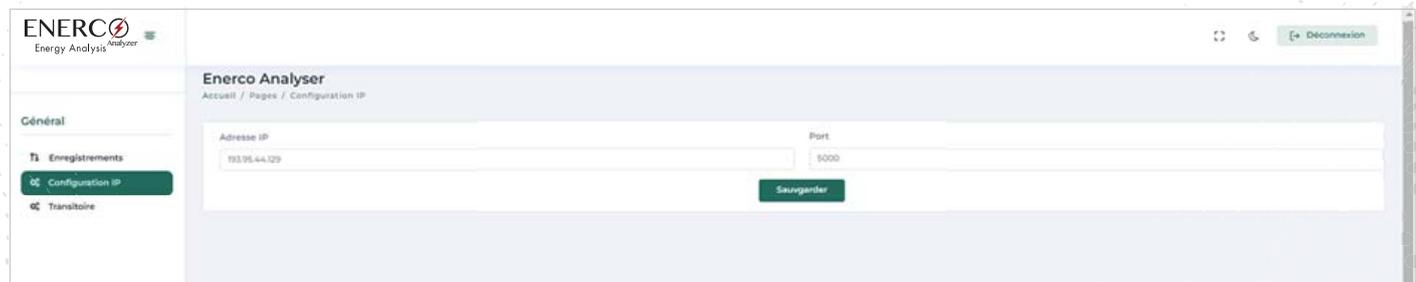
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Energy Analysis Analyzer

- Variation of power by phase (active, reactive and apparent) with selection of date/time and display of Min and Max powers.



- Configuration of IP address and server port.



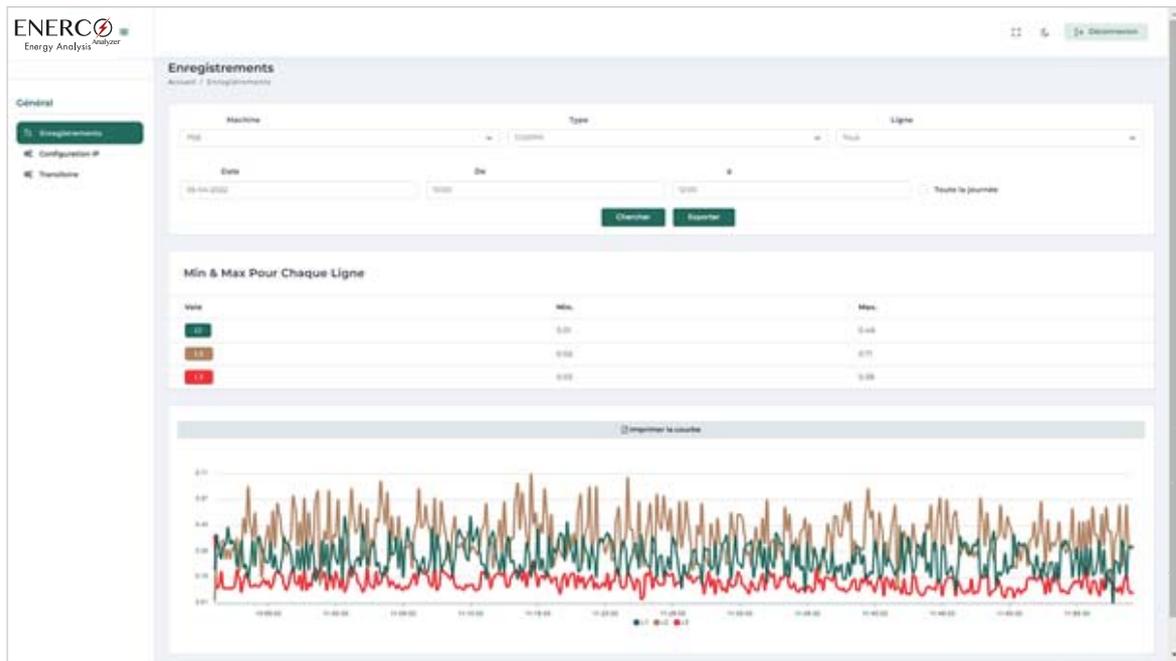
The screenshot displays the ENERCO Energy Analysis Analyzer interface for IP configuration. The top navigation bar includes the logo and a 'Déconnexion' button. The main content area is divided into several sections:

- Général:** Contains a 'Configuration IP' button.
- Configuration IP:** A form with two input fields: 'Adresse IP' (193.95.44.129) and 'Port' (5000). A 'Sauvegarder' button is located below the fields.

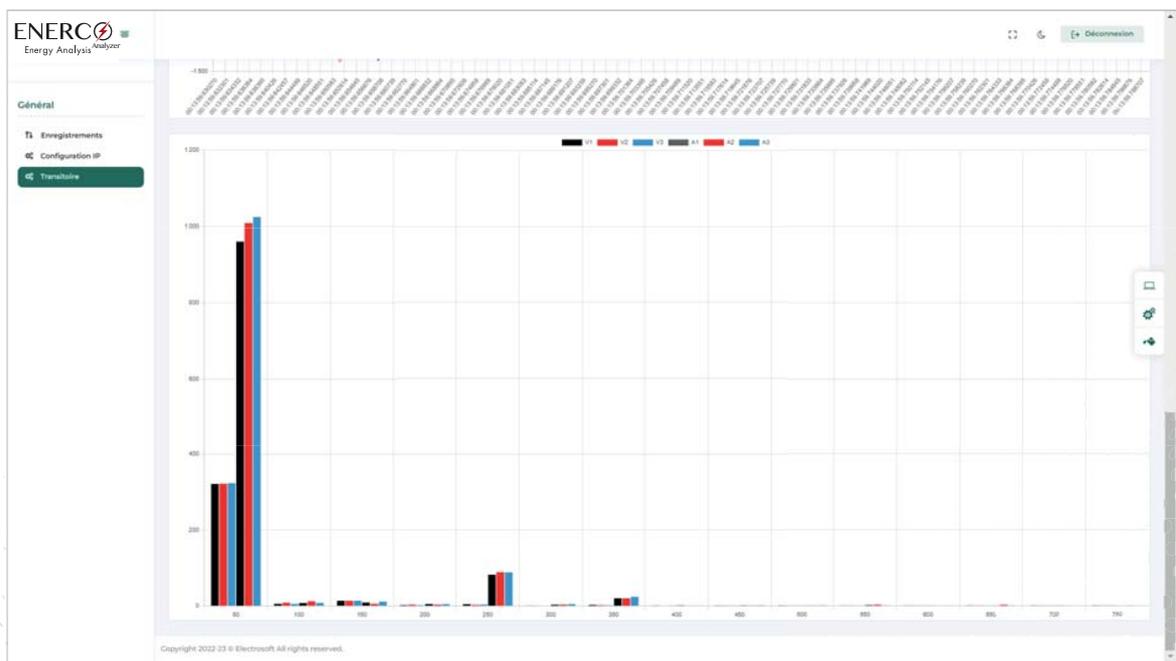
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- Variation of the power factors by phase with selection of date/time and Min / Max $\cos(\phi)$ display



- Harmonic variation by phase with date/time selection.



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- **Monitoring of simple and compound voltage transients with date and time selection.**

