kerberos

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TransiXion platform 5.0

- **Robust and scalable open-source IoT platform**
- **intuitive data visualisation and advanced analysis**
- **Integration with existing systems**
- **Support for funded projects**

TransiXion 5.0 is an advanced data visualization platform, specifically designed to support the **Energy Transition 5.0** and its initiatives. This comprehensive solution offers monitoring, analysis, and data management capabilities for sustainable energy and ecological transition projects, leveraging the opportunities provided by European funding and dedicated projects. TransiXion 5.0 provides the necessary tools for efficient and informed data management from various energy and environmental sources.
Robust and Scalable Architecture: At the core of TransiXion 5.0 lies a powerful and highly scalable **open-source IoT architecture**. This advanced infrastructure is capable of handling large volumes of data and a high number of devices, making it ideal for energy transition projects of any scale. The platform ensures versatile connectivity with a wide range of standard devices and protocols (such as MQTT, CoAP, HTTP), ensuring the acquisition of heterogeneous data. An integrated rules engine allows for the definition of complex logic, generation of custom alarms, and automation of actions based on collected data, optimizing the management of energy assets. The security of sensitive data is guaranteed by advanced authentication and authorization features.
Intuitive Visualization and Advanced Analysis: TransiXion 5.0 offers an advanced environment for data visualization and analysis. Users can create **interactive and customizable dashboards**, specific to the needs of energy transition projects, with real-time data visualizations, historical charts, and key performance indicators (**KPIs**). The platform includes powerful tools for **trend analysis**, pattern identification, and performance

- **Real-time monitoring** of data from renewable energy plants, energy storage systems, and smart grids.
- **Performance analysis** of plants to identify areas for improvement and optimize energy consumption.
- **Configurable alarm management** to signal anomalies and ensure timely interventions.
- **Advanced report generation** on performance, consumption, and environmental impact.
- **Integration** with other systems via standard APIs.
- **Tools for monitoring and reporting** data required for funded Energy Transition 5.0 projects.