Towards DSM

Provide a **multi-vendor platform** for IoT products and service providers

Enlarge IoT Business ecosystem

- Give **vendors full control** on their products and services with vendor administration panel.
- Can generate a configurable external URL for the sales products
- Provide a **Callback API** for direct connecting to the vendors’ service
Callback API

SynchroniCity IoT Product Marketplace

Customer

Direct link to the vendor-specific service site

Vendor

Secure data transmission

Send the JSON payload to your endpoint URL in the form of a JWT (JSON Web Token) HS256 (HMAC with SHA-256) symmetric signature algorithm to secure the transmitted data.

Vendor generated common shared secret key

Timestamp
Service_id
Service_description
Request_url
Order_number
Customer
Product

Sku
Name
Quantity
Price
Currency
Field
callback_url
callback_field_xxx
Knowledge sharing

Provide **information sharing** place for Smart cities

Foster new markets and innovation

- Cities can have their dedicated pages to share their use cases.
- Other cities can contact and communicate with the reference cities.
15 minutes and transmit the data to OrbiWise Server supporting LoRaWAN connection and the server sends the measurement data to Universal Device Gateway (UDG) using a HTTPS connection where the data is integrated into the Carouge’s SynchroniCity platform.

The third service is the Live Public Transportation schedule in Carouge. The TPG (Transports publics genevois) offers an API to access the open

City of Eindhoven
Eindhoven, Netherlands

With the support from technical partners Atos and Heijmans.

City of Eindhoven actively engages smart city research and innovation activities where the city platform and pilot applications are applicable. In the scope of SynchroniCity project, the city has been participating in the Human Centric Traffic Management theme.

City is using real time traffic lights data, cyclists (bicycle) and air quality information in order to develop the services in the scope of the service theme mentioned above.

For the Human Centric Traffic Management Theme, we list the items below as the main actors of the traffic theme for the pre-selected crossing areas in Eindhoven:
Further considerations

• A way to make cities participate more.
  • Connecting to the procurement systems of cities
• Policies
  • Process of SynchroniCity compliant evaluation
  • At the same time, lower the barrier for SMEs
Thanks for Listening

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https://smartcity.market ➔
Temporary http://dev.smartcity.market

Video in SynchroniCity Project Booth