EnergyKit / ElectricityInsightService

Class

ElectricityInsightService

A service for retrieving insights about electricity consumption.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst | macOS 26.0+

```
final actor ElectricityInsightService
```

Topics

Retrieving the shared instance

static let **shared**: ElectricityInsightService

    A single, shared insight service object.

Getting device insights

func energyInsights(forDeviceID: String, using: ElectricityInsightQuery, atVenue: UUID) async throws -> AsyncStream<ElectricityInsightRecord<Measurement<UnitEnergy>>>

    Returns data that provides insight into electrical usage for a given device.

func **runtimeInsights**(forDeviceID: String, using: ElectricityInsightQuery, atVenue: UUID) async throws -> AsyncStream<ElectricityInsightRecord<Duration>>

    Returns records that provide insight into runtime of a given device.

Relationships

Conforms To

`Actor, Sendable, SendableMetatype`

See Also

Insights

`struct ElectricityInsightRecord`

A structure that provides environmental impact and cost insights for electricity usage over a specific time period.

`struct ElectricityInsightQuery`

A structure describing a query that you use to obtain environmental impact information in the form of electricity insight records.

`protocol ElectricityInsightMeasure`

A protocol for types that can measure electricity usage data.