

# Gas Flow & Usage Tracking

## Why InformDB?

End users are searching for solutions to accurately measure, track and reduce their energy costs. These costs are primarily related from consumption of natural gas, electricity or other fuel sources such as oil, propane, steam, water etc. In order to track and reduce energy related costs, we first must measure the usage that will help identify where, when and how much energy is being consumed. This involves large datasets that need to be transformed into meaningful reports, metrics and operator watch points.

Managing this data can be a cumbersome exercise that requires significant data transformation and analysis. InformDB captures, stores, transforms and organises flow and energy data automatically.

The powerful time series, metrics and analytics database is paired with InformHMI, an intuitive browser based interface. This allows facility operators and managers to easily monitor, retrieve, sort and view information that is specific and relevant to their needs.

## Gas Flow & Usage Tracking

### Elimination of cumbersome manual reporting and data analysis



#### Details

Gas flow reporting:

- Natural gas, propane, steam, other gas and vapour streams.
- Instantaneous flow readings and trend displays.
- Time interval consumption dashboards.
- When available meter data status data such as signal health, errors, correction factors, status, temperature, pressure, flow-computer data etc.
- Single or multi meter systems.

#### Key Features and Benefits

Instrument to desktop service:

- Hazardous or non hazardous area installations.
- Turnkey or user installed systems.
- Store all data for at least 10 years.
- Data automatically transformed into reports showing hourly, daily and monthly usage.
- View information via InformHMI browser interface with no external add-ons.

- Elimination of cumbersome manual analysis of data.
- Easily extract data to Excel when required.
- Increased confidence in fuel consumption management.
- Easily link and integrate to plant-wide control and business systems.
- Scalable to multiple meters and other field sensors.
- Create your own dashboards to suit specific needs.
- Email and SMS alert notifications.

## Data Sources

Industrial flow meters provide data in an array of different and at times complicated formats.

Gas flow data is often corrected to a standard pressure and temperature using a flow computer or by an inline flow corrector. Once this is completed the flow data is available for collection by InformDB. This data can be:

- 4-20mA signals.
- Pulse signals.
- ASCII data stream.
- Modbus data stream.
- Other industrial fieldbus protocols.

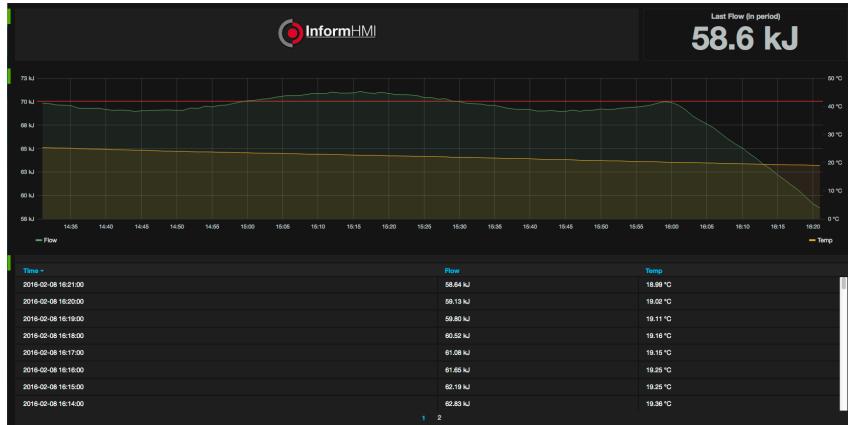
If available from the meter other parameters are available such as signal quality status, temperature, maintenance alerts, correction factors, heating value and pressure.

## Valuable Operational Insights

InformHMI provides Dashboard monitoring via desktop browser access for simple and easy surveillance without the need for third party dependencies. Dashboards are user configurable to suit specific requirements. Baseline system includes:

- Flowrates and key data trends.
- Time interval consumption.
- Comparison of daily usage.
- Maintenance and key information screen.
- Notification alerts when limits are being reached or exceeded.

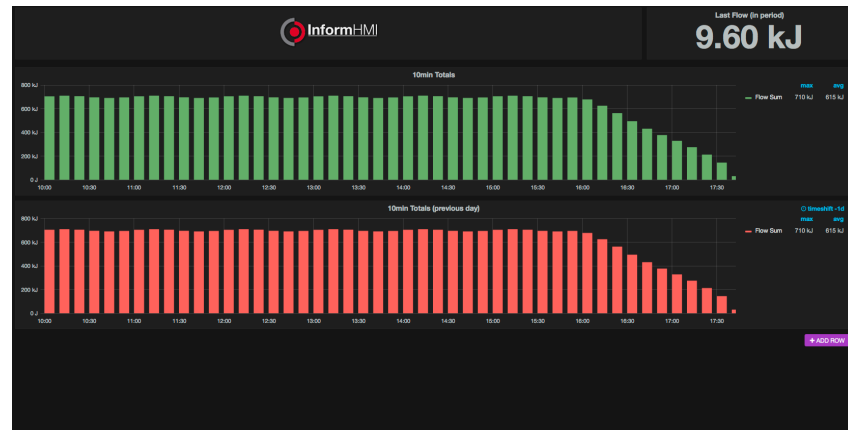
## Instantaneous Gas Flowrates



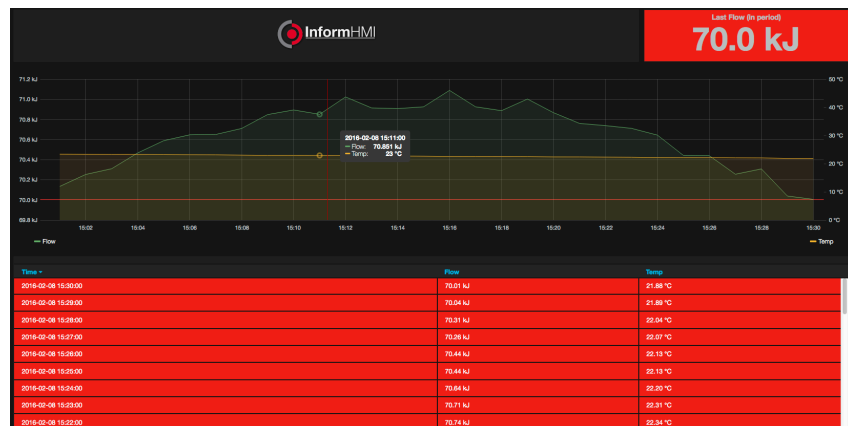
## Consumption Monitoring



## Usage Comparison



## Notifications and Alerts



**Contact:**  
2 / 88 Merrindale Drive  
Croydon South  
3136, Victoria  
Australia

14A Melbourne Court  
North Adelaide  
5006, South Australia  
Australia

+61 3 9024 6223  
support@informdb.com

*Copyright © 2016 by Control Direction Pty. Ltd.*

*All rights reserved. No part of this publication may be reproduced without the prior written permission of the publisher, except in the case of brief quotations embodied in critical reviews and certain other uses permitted by copyright law.*

