Gas measurement and monitoring plan template

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| **OVERVIEW** |
| **1** | **Background** |
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| **2** | **Provide participant details below** |
| Name of participant organisation |  |
| Business address |  |
| Name of nominated project manager |  |
| Project manager contact number |  |
| Project manager contact email address |  |
| **3** | **Describe how gas is used *directly* at your site in major equipment or areas** |
|  | *Major equipment* | *Fluid and conditions* |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| **4** | **Describe how gas is used *indirectly* at your site in major equipment or areas (e.g. in the form of steam, hot water, or hot air)** |
|  | *Major equipment, processes or areas*  | *Fluid and conditions* |
| 1 |  |  |
| 2 |  |  |
| **STEP 1 – SPECIFY THE GOAL AND WHAT YOU KNOW** |
| **1** | **Goal of this measurement and monitoring plan** |
|   |
| **2** | **Annual site energy consumption** | *Gas (GJ)* | *From:* | *To:* |
|  |  |  |
| **3** | **Annual site energy cost** | *Gas ($)* | *From:* | *To:* |
|  |  |  |
| **4** | **Simplified schematic of relevant systems, existing and new meters** |
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| **5** | **What meters exist?** |
| *Area* | *Meter location* | *Description* | *Qty* | *Specification and calibration records* | *Communications, data storage, alarms/reports* |
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| **6** | **Critical process conditions that need to be considered in the gas measurement and monitoring plan** |
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| **STEP 2 – PRIORITISE WHAT TO MEASURE** |
| **1** | **High level gas energy balance** |
| *List of main areas of gas use* | *Gas use (GJ per annum)* | *% of total gas consumption* | *Priority* | *How the gas use was calculated*  |
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| **2** | **Steps to improve the understanding of energy use** |
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| **3** | **Priorities** |
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| **STEP 3 – SELECT ENERGY MANAGEMENT SOFTWARE AND LONG-TERM DATA STORAGE SOLUTION** |
| **1** | **Energy management software currently in use** |
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| **2** | **Reporting, alerts and alarms** |
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| **3** | **Long-term data storage** |
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| **STEP 4 – METER SELECTION *(ensure proposed meters are shown on schematic)*** |
| *Area* | *Meter location* | *Description* | *Qty* | *Specification* | *Communications, data storage, alarms/reports* |
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| **STEP 5 – BUDGET AND IMPLEMENTATION PLAN** |
| **1** | **Implementation plan** |
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| **2** | **Schedule** |
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| **3** | **Safety considerations** |
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| **4** | **Proposed costs** |
| *Meters* |  |
| *Electrical and communications works* |  |
| *Piping and mechanical works* |  |
| *Civil works* |  |
| *Project management* |  |
| *Installation contractors* |  |
| *Other* |  |
| *TOTAL* |  |