

Intratec Water & Utility Costs User Guide

Introduction

Intratec Water & Utility Costs deliver trustworthy and independent cost data of key utility commodities in many strategic countries worldwide. This product includes historical data and forecasts of generation costs data and purchasing prices of key utilities commodities, displayed in a user-friendly tool. Further details about Intratec Water & Utility Costs and their methodology can be found at <https://intrat.ec/iwuc-methodology>.

Illustrative Cases

Intratec Water & Utility Costs usage is straightforward. Energy commodities prices (historical data and forecasts) are presented in a handy tool through which users can easily compare trends, download price data and customize views.

You can find below some specific examples on how to correctly use Intratec Water & Utility Costs.

Case 1

An American food company that needs to use pneumatic transportation system wants to evaluate the generation cost of compressed air in September 2022.

Under the option “View” of the chart, it is possible to select “Cost Data” to track generation costs and “Price Data” to track purchasing prices.

The generation cost of **compressed air** in September 2022 is estimated to be USD cent 3.8 per Nm³.

Case 2

A research group is preparing a multi-regional feasibility study for facilities in West European countries that consumes compressed air in 2021 and needs an estimate of the purchase price of this utility in such countries.

Under the option “Frequency” of the chart, it is possible to select “Yearly” to access generation cost data per year (available in ‘Pro’ and ‘Business’ Plans).

The table below shows the purchase price of 10 available countries in West Europe in 2021:

Compressed air purchase prices in West Europe					
Country	Austria	Belgium	France	Germany	Italy
Price (USD cent/Nm ³)	11.5	11.2	10.4	10.8	10
Country	Netherlands	Portugal	Spain	Switzerland	UK
Price (USD cent/Nm ³)	11.7	9.9	9.5	14.3	10.1

Case 3

In February 2017, a Brazilian company is studying the design of a steam-intensive plant and would like to have an estimate of the cost of steam in kilograms at that time. Since, the installation of a boiler is planned, the steam generation cost that should be used.

Under the option “Unit” of the chart, it is possible to select “kg” to access generation cost data per kilograms (available in ‘Pro’ and ‘Business’ Plans).

The cost of generating **steam (MP)** in Brazil is estimated to be USD 0.021 per kilogram in February 2017.

Case 4

An EPC firm is working on a plant construction project within a petrochemical complex in China in December 2017. On site there are already cooling towers, from which the plant could purchase cooling water. To set up the project, the company would like to have an estimate of the purchase price of cooling water in yuan.

Under the option “Currency” of the chart, it is possible to select “CNY” to access purchase price data in yuans (available in ‘Pro’ and ‘Business’ Plans).

The cost of generating **cooling water** in China is estimated to be CNY 0.29 per cubic meter in December 2017.

Important Assumptions

Intratec Water & Utility Costs track changes in plant construction costs. Nevertheless, it cannot be applied unthinkingly; there are some considerations and limitations to its use, which were assumed in the 5 cases.

- The values presented in this product are estimates and do not necessarily characterize particular contract prices, spot transactions or spot bids in the locations specified.
- The estimates provided are based on certain assumptions (provided in the methodology) and may vary from the estimates due to several factors.
- Generation costs and purchase prices, as well as costs in different countries should not be compared, because their assumptions are different.
- The estimates are provided for informational purposes only and do not constitute professional or investment advice.
- The accuracy of the plant construction index is in line to the inherent error in conceptual studies.
- If you already had a cost reference of the utility in the past, Intratec Water & Utility Costs can be used as indicators to convert this cost over time. In this case, the cost reference to be corrected must have the same currency of Intratec cost data.