

Hand Factor



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Cleopatra Enterprise can easily be used for factor estimating. For this reason Cost Engineering has added the Knowledgebase Factor Estimating. This knowledgebase allows you to quickly build an estimate based on the methodology of W.E. Hand. Through its parametric calculation models you can easily determine the cost for your equipment. Based on this information the Hand factor calculation will automatically calculate the other cost involved. This helps you to quickly and accurately make a study estimate for your projects by using factor estimating methods.

This knowledgebase covers everything that you would need to build an accurate study estimate. Ranging from the foundation to the painting and testing, all aspects of the process are part of the Knowledgebase Factor Estimating.

“ The decisive factor for your study estimates. ”

Level ID	Description	Unit	Quantity	Cost	Labour hours	Labour rate	Cost category	Discipline	Total cost	Total labour hours	Total rental hours
Equipment	Column DACE	EUR	3,00	0,00							
Discipline	Equipment supply	EUR	1,00	1,00					1,00	0,00	0,00
Equipment	Equipment supply		1,00	1,00			Equipment	Plant & machinery	1,00	0,00	0,00
Discipline	Materials foundations and pavement	EUR	=0,10	1,00	0,10	0,00				0,00	0,00
Discipline	Materials supporting and platforms	EUR	=0,15	1,00	0,15	0,00				0,00	0,00
Discipline	Materials piping	EUR	=0,60	1,00	0,60	0,00				0,00	0,00
Discipline	Materials insulation and fireproofing	EUR	=0,25	1,00	0,25	0,00				0,00	0,00
Discipline	Materials electrical	EUR	=0,05	1,00	0,05	0,00				0,00	0,00
Discipline	Materials painting, cleaning, testing and miscellaneous	EUR	=0,03	1,00	0,03	0,00				0,00	0,00
Discipline	Labour transport and installation	EUR	=0,10	1,00	0,10	0,00				0,00	0,00
Discipline	Labour foundations and pavement	EUR	=0,06	1,00	0,06	0,00				0,00	0,00
Discipline	Labour supporting and platforms	EUR	=0,09	1,00	0,09	0,00				0,00	0,00
Discipline	Labour piping	EUR	=0,37	1,00	0,37	0,00				0,00	0,00
Discipline	Labour insulation and fireproofing	EUR	=0,15	1,00	0,15	0,00				0,00	0,00
Discipline	Labour electrical	EUR	=0,03	1,00	0,03	0,00				0,00	0,00
Discipline	Labour painting, cleaning, testing and miscellaneous	EUR	=0,02	1,00	0,02	0,00				0,00	0,00
Equipment	Heatexchanger DACE	EUR	2,65	0,00							
Equipment	CS Conical Roof tank DACE	EUR	3,00	0,00							
Equipment	Pressure vessel DACE	EUR	2,25	0,00							
Equipment	CS Compressor	EUR	1,90	0,00							
Equipment	CS Column	EUR	3,00	0,00							
Equipment	CS Furnaces	EUR	1,50	0,00							
Equipment	CS Heatexchanger	EUR	2,65	0,00							
Equipment	CS Pump	EUR	3,00	0,00							
Equipment	CS Conical Roof tank	EUR	3,00	0,00							
Equipment	CS pressure vessel	EUR	3,00	0,00							



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Knowledgebase Specifications

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Methodology:

Equipment based on parametric models or based on quotes. Associated work based on the Hand factor.

Activities:

- Supply
- Equipment
- Foundations
- Pavement
- Supporting
- Platforms
- Buildings
- Piping
- Insulation
- Fireproofing
- Electrical
- Instrumentation
- Painting
- Cleaning
- Testing
- Transport
- Installation
- Miscellaneous



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