

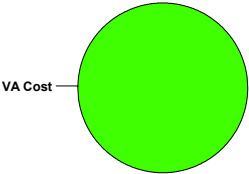
Unnamed Project

Replications: 43 Time Units: Hours

Key Performance Indicators

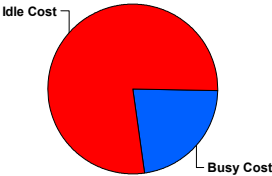
All Entities

	Average
Non-Value Added Cost	0
Other Cost	0
Transfer Cost	0
Value Added Cost	935
Wait Cost	0
Total Cost	935



All Resources

	Average
Busy Cost	935 *
Idle Cost	3,215
Usage Cost	0
Total Cost	4,150



* these costs are included in Entity Costs above.

System

	Average
Total Cost	4,150
Number Out	79

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Entity

Time

VA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00658409	0,00	0.00	0.00790072	0.00	0.00819760
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.4556	0,01	0.4232	0.5046	0.3323	1.5779
PlacaUnion	0.4180	0,01	0.3634	0.5652	0.3045	1.1012
SensorAmbiental	0.00651702	0,00	0.00	0.00773061	0.00	0.00817823
NVA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00
Wait Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00356793	0,00	0.00	0.00704062	0.00	0.00807057
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	4.4651	0,47	1.9521	7.7839	0.2634	17.4387
PlacaUnion	3.6699	0,47	1.1789	6.8820	0.2477	11.5972
SensorAmbiental	0.00293102	0,00	0.00	0.00761315	0.00	0.00802418
Transfer Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.1167	0,00	0.1167	0.1167	0.1167	0.1167
PlacaUnion	0.05000000	0,00	0.05000000	0.05000000	0.05000000	0.05000000
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00
Other Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Entity

Time

Total Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.01015202	0,00	0.00	0.01491023	0.00	0.01579107
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	1.7501	0,10	1.1208	2.4381	0.4606	15.9959
PlacaUnion	1.4726	0,14	0.7078	2.7455	0.3515	6.4049
SensorAmbiental	0.00944804	0,00	0.00	0.01476196	0.00	0.01547763

Cost

VA Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.06584094	0,00	0.00	0.07900723	0.00	0.08197598
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	13.9515	0,08	13.4225	14.5528	10.5954	27.4054
PlacaUnion	13.5980	0,17	12.4389	15.2560	10.5093	22.5454
SensorAmbiental	0.06517017	0,00	0.00	0.07730611	0.00	0.08178230

NVA Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00

Wait Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00

Other Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

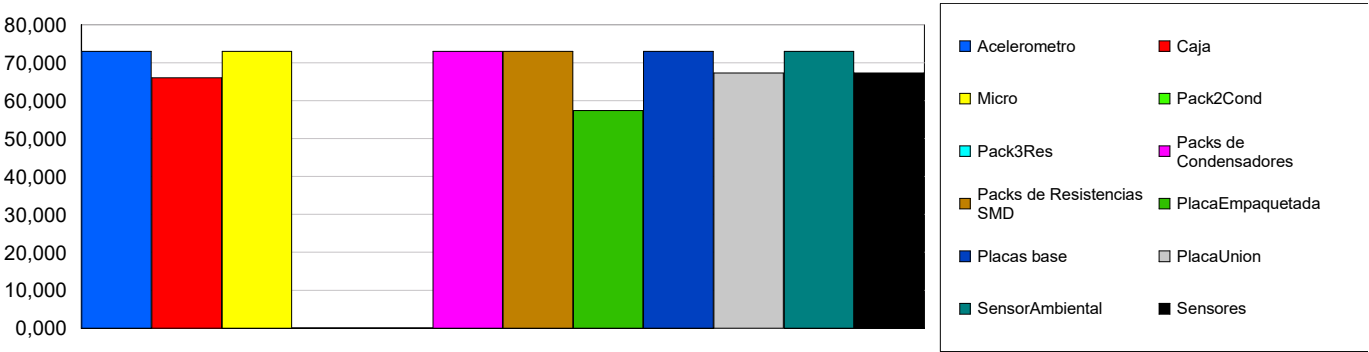
Entity

Cost

Transfer Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.00	0,00	0.00	0.00	0.00	0.00
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	0.00	0,00	0.00	0.00	0.00	0.00
PlacaUnion	0.00	0,00	0.00	0.00	0.00	0.00
SensorAmbiental	0.00	0,00	0.00	0.00	0.00	0.00
Total Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	0.06584094	0,00	0.00	0.07900723	0.00	0.08197598
Caja	0.00	0,00	0.00	0.00	0.00	0.00
PlacaEmpaquetada	13.9515	0,08	13.4225	14.5528	10.5954	27.4054
PlacaUnion	13.5980	0,17	12.4389	15.2560	10.5093	22.5454
SensorAmbiental	0.06517017	0,00	0.00	0.07730611	0.00	0.08178230

Other

Number In	Average	Half Width	Minimum Average	Maximum Average
Acelerometro	73.0000	0,00	73.0000	73.0000
Caja	66.0000	0,00	66.0000	66.0000
Micro	73.0000	0,00	73.0000	73.0000
Pack2Cond	0.00	0,00	0.00	0.00
Pack3Res	0.00	0,00	0.00	0.00
Packs de Condensadores	73.0000	0,00	73.0000	73.0000
Packs de Resistencias SMD	73.0000	0,00	73.0000	73.0000
PlacaEmpaquetada	57.3488	0,94	52.0000	64.0000
Placas base	73.0000	0,00	73.0000	73.0000
PlacaUnion	67.2791	0,55	63.0000	71.0000
SensorAmbiental	73.0000	0,00	73.0000	73.0000
Sensores	67.2791	0,55	63.0000	71.0000



Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Entity

Other

Number Out	Average	Half Width	Minimum Average	Maximum Average		
Acelerometro	69.5814	0,53	65.0000	71.0000		
Caja	62.9070	0,43	61.0000	66.0000		
Micro	65.8605	0,60	62.0000	70.0000		
Pack2Cond	0.00	0,00	0.00	0.00		
Pack3Res	0.00	0,00	0.00	0.00		
Packs de Condensadores	65.8605	0,60	62.0000	70.0000		
Packs de Resistencias SMD	65.8605	0,60	62.0000	70.0000		
PlacaEmpaquetada	57.1628	0,95	52.0000	64.0000		
Placas base	65.8605	0,60	62.0000	70.0000		
PlacaUnion	65.8605	0,60	62.0000	70.0000		
SensorAmbiental	69.4651	0,60	64.0000	71.0000		
Sensores	65.8605	0,60	62.0000	70.0000		
WIP	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acelerometro	2.6708	0,31	1.6110	5.2865	0.00	11.0000
Caja	2.4536	0,25	0.5729	3.6587	0.00	6.0000
Micro	4.7029	0,32	2.7823	7.0239	0.00	13.0000
Pack2Cond	0.00	0,00	0.00	0.00	0.00	0.00
Pack3Res	0.00	0,00	0.00	0.00	0.00	0.00
Packs de Condensadores	4.7029	0,32	2.7823	7.0239	0.00	13.0000
Packs de Resistencias SMD	4.7029	0,32	2.7823	7.0239	0.00	13.0000
PlacaEmpaquetada	0.5394	0,06	0.3611	1.0814	0.00	5.0000
Placas base	4.7029	0,32	2.7823	7.0239	0.00	13.0000
PlacaUnion	1.8060	0,13	1.4367	3.4818	0.00	11.0000
SensorAmbiental	2.7884	0,33	1.6630	5.5248	0.00	11.0000
Sensores	1.9557	0,13	1.5795	3.6333	0.00	11.0000

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Queue

Time

Waiting Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Descarga Preventiva.Queue	0.00391234	0,00	0.00103340	0.00855445	0.00	0.08315300
Descontaminación.Queue	0.00328993	0,00	0.00313364	0.00346390	0.00	0.00750000
Empaquetado.Queue	0.05188778	0,02	0.00	0.2681	0.00	3.4789
Espera Componentes.Queue1	0.1451	0,02	0.04667388	0.3567	0.00	21.3202
Espera Componentes.Queue2	0.9613	0,12	0.3218	1.8829	0.05456970	3.0575
Espera Componentes.Queue3	0.9600	0,12	0.3193	1.8827	0.05431289	3.0600
Espera Componentes.Queue4	0.9673	0,12	0.3273	1.8893	0.06431289	3.0675
Espera Componentes.Queue5	0.00006698	0,00	0.00	0.00079244	0.00	0.03462512
Paquete.Queue1	0.7790	0,12	0.03415668	1.4086	0.00	3.2119
Paquete.Queue2	0.04070680	0,03	0.00	0.5267	0.00	2.2363
Proceso Soldadura.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Reparacion.Queue	0.00043047	0,00	0.00	0.00489840	0.00	0.04898404
SalidaPaquete.Queue	0.01260734	0,00	0.00	0.04794952	0.00	0.5203
SalidaSensores.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Test Ambiental.Queue	0.00321271	0,00	0.00241233	0.00392401	0.00	0.00827973
Test Fuerzas.Queue	0.00341562	0,00	0.00271334	0.00414156	0.00	0.00829687
UnionSensores.Queue1	0.2757	0,11	0.00	1.3448	0.00	2.3396
UnionSensores.Queue2	0.2371	0,10	0.00	1.2005	0.00	1.6745
Validacion.Queue	0.02258878	0,00	0.00363122	0.05240791	0.00	0.4325

Cost

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Queue

Cost

Waiting Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Descarga Preventiva.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Descontaminación.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Empaquetado.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Espera Componentes.Queue1	0.00	0,00	0.00	0.00	0.00	0.00
Espera Componentes.Queue2	0.00	0,00	0.00	0.00	0.00	0.00
Espera Componentes.Queue3	0.00	0,00	0.00	0.00	0.00	0.00
Espera Componentes.Queue4	0.00	0,00	0.00	0.00	0.00	0.00
Espera Componentes.Queue5	0.00	0,00	0.00	0.00	0.00	0.00
Paquete.Queue1	0.00	0,00	0.00	0.00	0.00	0.00
Paquete.Queue2	0.00	0,00	0.00	0.00	0.00	0.00
Proceso Soldadura.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Reparacion.Queue	0.00	0,00	0.00	0.00	0.00	0.00
SalidaPaquete.Queue	0.00	0,00	0.00	0.00	0.00	0.00
SalidaSensores.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Test Ambiental.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Test Fuerzas.Queue	0.00	0,00	0.00	0.00	0.00	0.00
UnionSensores.Queue1	0.00	0,00	0.00	0.00	0.00	0.00
UnionSensores.Queue2	0.00	0,00	0.00	0.00	0.00	0.00
Validacion.Queue	0.00	0,00	0.00	0.00	0.00	0.00

Other

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Queue

Other

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
2 packs Cond.Queue	0.00	0,00	0.00	0.00	0.00	0.00
3 packs Res.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Descarga Preventiva.Queue	0.01173703	0,00	0.00310019	0.02566334	0.00	1.0000
Descontaminación.Queue	0.02974645	0,00	0.02833333	0.03131944	0.00	2.0000
Empaquetado.Queue	0.1266	0,05	0.00	0.6144	0.00	5.0000
Espera Componentes.Queue1	2.8404	0,34	0.9308	5.5340	0.00	10.0000
Espera Componentes.Queue2	2.8787	0,34	0.9656	5.5646	0.00	10.0000
Espera Componentes.Queue3	2.8752	0,34	0.9581	5.5645	0.00	10.0000
Espera Componentes.Queue4	2.8969	0,34	0.9822	5.5845	0.00	10.0000
Espera Componentes.Queue5	0.00018907	0,00	0.00	0.00224525	0.00	1.0000
Paquete.Queue1	1.9142	0,27	0.0911	3.2383	0.00	5.0000
Paquete.Queue2	0.1011	0,09	0.00	1.2870	0.00	5.0000
Proceso Soldadura.Queue	0.00	0,00	0.00	0.00	0.00	0.00
Reparacion.Queue	0.00016435	0,00	0.00	0.00211344	0.00	1.0000
SalidaPaquete.Queue	0.03019325	0,01	0.00	0.1139	0.00	4.0000
SalidaSensores.Queue	0.00	0,00	0.00	0.00	0.00	1.0000
Test Ambiental.Queue	0.00971891	0,00	0.00733751	0.01193554	0.00	1.0000
Test Fuerzas.Queue	0.01030315	0,00	0.00814001	0.01242469	0.00	1.0000
UnionSensores.Queue1	0.8029	0,33	0.00	3.9163	0.00	8.0000
UnionSensores.Queue2	0.6848	0,29	0.00	3.4010	0.00	6.0000
Validacion.Queue	0.07257774	0,01	0.01232056	0.1710	0.00	2.0000

Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Resource

Usage

Instantaneous Utilization	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Empaquetadora	0.03973649	0,00	0.03606941	0.04442481	0.00	1.0000
Maq Placa Caliente	0.3739	0,00	0.3489	0.3979	0.00	1.0000
OperarioReparacion	0.06517003	0,01	0.02250241	0.1199	0.00	1.0000
OperarioTesteo	0.04008326	0,00	0.03932747	0.04105056	0.00	1.0000
OperarioValidacion	0.6537	0,01	0.5884	0.7490	0.00	1.0000
Recurso Descarga	0.02480854	0,00	0.02346292	0.02611296	0.00	1.0000
Unidad Descontaminacion	0.03000000	0,00	0.03000000	0.03000000	0.00	1.0000
Number Busy	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Empaquetadora	0.03973649	0,00	0.03606941	0.04442481	0.00	1.0000
Maq Placa Caliente	0.3739	0,00	0.3489	0.3979	0.00	1.0000
OperarioReparacion	0.06517003	0,01	0.02250241	0.1199	0.00	1.0000
OperarioTesteo	0.04008326	0,00	0.03932747	0.04105056	0.00	1.0000
OperarioValidacion	0.6537	0,01	0.5884	0.7490	0.00	1.0000
Recurso Descarga	0.02480854	0,00	0.02346292	0.02611296	0.00	1.0000
Unidad Descontaminacion	0.03000000	0,00	0.03000000	0.03000000	0.00	1.0000
Number Scheduled	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Empaquetadora	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
Maq Placa Caliente	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
OperarioReparacion	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
OperarioTesteo	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
OperarioValidacion	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
Recurso Descarga	1.0000	0,00	1.0000	1.0000	1.0000	1.0000
Unidad Descontaminacion	1.0000	0,00	1.0000	1.0000	1.0000	1.0000

Values Across All Replications

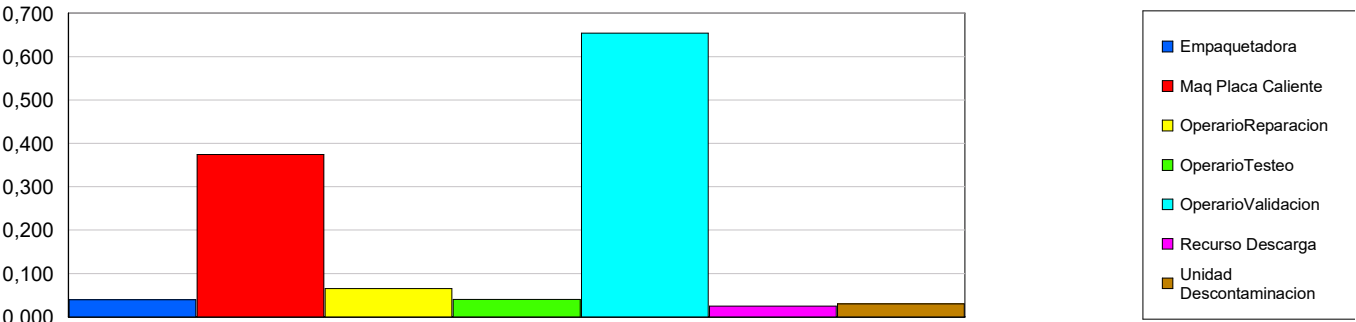
Unnamed Project

Replications: 43 Time Units: Hours

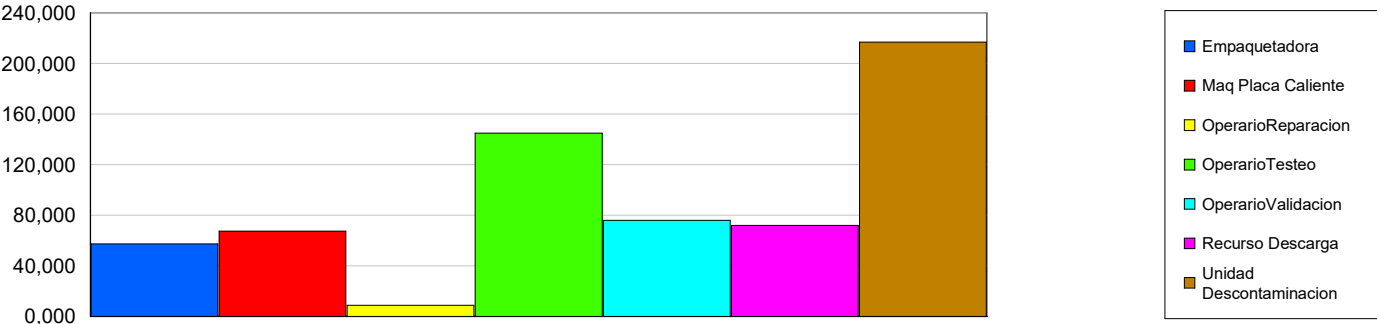
Resource

Usage

Scheduled Utilization	Average	Half Width	Minimum Average	Maximum Average
Empaquetadora	0.03973649	0,00	0.03606941	0.04442481
Maq Placa Caliente	0.3739	0,00	0.3489	0.3979
OperarioReparacion	0.06517003	0,01	0.02250241	0.1199
OperarioTesteo	0.04008326	0,00	0.03932747	0.04105056
OperarioValidacion	0.6537	0,01	0.5884	0.7490
Recurso Descarga	0.02480854	0,00	0.02346292	0.02611296
Unidad Descontaminacion	0.03000000	0,00	0.03000000	0.03000000



Total Number Seized	Average	Half Width	Minimum Average	Maximum Average
Empaquetadora	57.2326	0,96	52.0000	64.0000
Maq Placa Caliente	67.2791	0,55	63.0000	71.0000
OperarioReparacion	8.7907	0,82	4.0000	16.0000
OperarioTesteo	145.00	0,00	145.00	145.00
OperarioValidacion	75.8837	1,07	68.0000	84.0000
Recurso Descarga	72.0000	0,00	72.0000	72.0000
Unidad Descontaminacion	217.00	0,00	217.00	217.00



Cost

Values Across All Replications

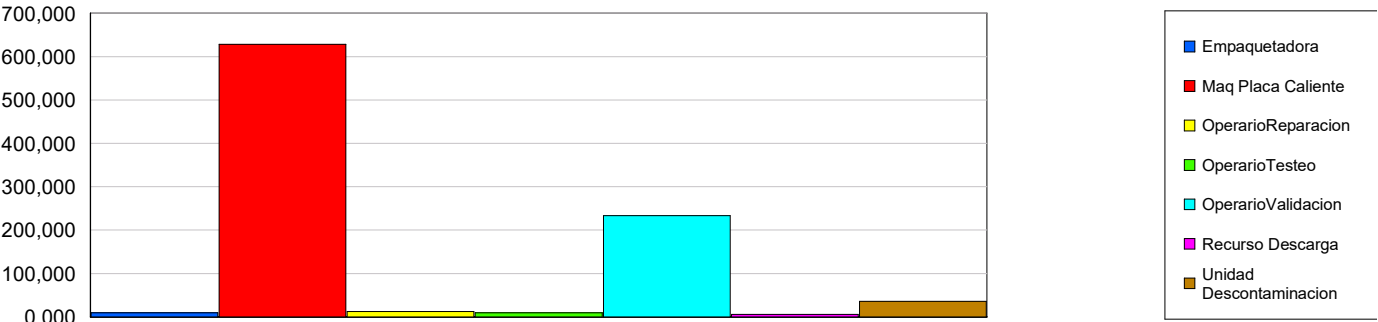
Unnamed Project

Replications: 43 Time Units: Hours

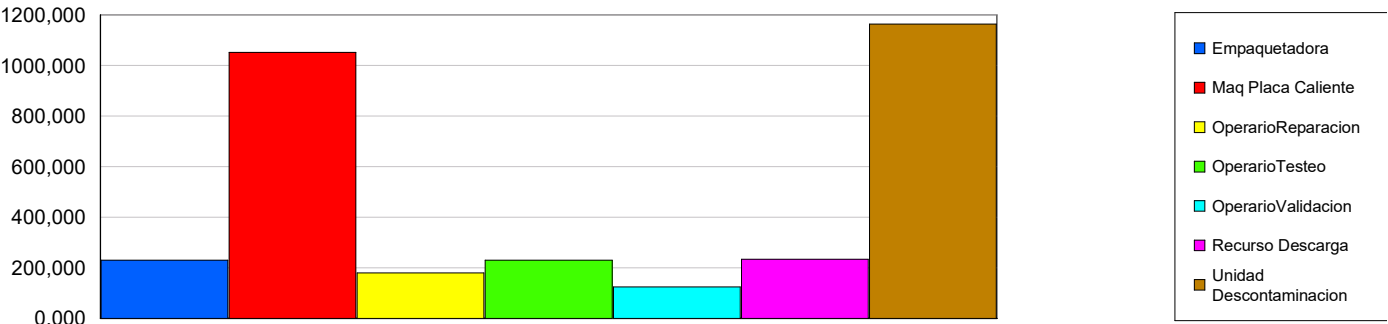
Resource

Cost

Busy Cost	Average	Half Width	Minimum Average	Maximum Average
Empaquetadora	9.5368	0,16	8.6567	10.6620
Maq Placa Caliente	628.16	5,90	586.09	668.49
OperarioReparacion	12.4850	1,30	4.3205	23.0120
OperarioTesteo	9.6200	0,03	9.4386	9.8521
OperarioValidacion	233.33	3,44	209.79	267.68
Recurso Descarga	5.9540	0,05	5.6311	6.2671
Unidad Descontaminacion	36.0000	0,00	36.0000	36.0000



Idle Cost	Average	Half Width	Minimum Average	Maximum Average
Empaquetadora	230.46	0,16	229.34	231.34
Maq Placa Caliente	1051.84	5,90	1011.51	1093.91
OperarioReparacion	179.49	1,30	168.99	187.68
OperarioTesteo	230.38	0,03	230.15	230.56
OperarioValidacion	124.68	3,46	90.3458	148.18
Recurso Descarga	234.05	0,05	233.73	234.37
Unidad Descontaminacion	1164.00	0,00	1164.00	1164.00



Values Across All Replications

Unnamed Project

Replications: 43 Time Units: Hours

Resource

Cost

Usage Cost	Average	Half Width	Minimum Average	Maximum Average
Empaquetadora	0.00	0,00	0.00	0.00
Maq Placa Caliente	0.00	0,00	0.00	0.00
OperarioReparacion	0.00	0,00	0.00	0.00
OperarioTesteo	0.00	0,00	0.00	0.00
OperarioValidacion	0.00	0,00	0.00	0.00
Recurso Descarga	0.00	0,00	0.00	0.00
Unidad Descontaminacion	0.00	0,00	0.00	0.00

User Specified

Output

Output	Average	Half Width	Minimum Average	Maximum Average
Piezas Proc	57.1628	0,95	52.0000	64.0000
Total WIP	41.6279	3,47	19.0000	73.0000

