



# Expanding the Capabilities of SAP Product Costing

SAP-Integrated, End-to-End Cost and  
Profitability Solutions with ImpactECS



## ImpactECS does not replace SAP - It makes SAP better!

By extending the cost and profitability analysis capabilities with ImpactECS, your company can benefit from a truly integrated end-to-end solution.



The decision to invest in SAP significantly changed the way your company managed information. Implementing ERP offered the promise of full integration of your business processes using one system. But the reality is that business leaders know there are considerable limitations to what a transactional ERP system can do - particularly in the areas of cost and profitability analytics.

By adding a dedicated cost and profitability analysis tool, you can access a deeper and more comprehensive view of SAP results. The ImpactECS platform is a modeling tool that gives business leaders the ability to calculate more detailed cost and profitability results, eliminate offline systems and spreadsheets, analyze what-if scenarios, build detailed budgets, compute cost center rates, and re-roll product costs on demand.

## I calculate costs with SAP, but I need more detailed results.

**Unlimited Cost Buckets** Capture every unique cost element in an individual cost bucket to maintain detail throughout the model.

	Materials			Labor			Variable Overhead				Fixed Overhead				Total	
	Direct	Indirect	Materials	Direct	Indirect	Labor	Energy	Utilities	Equipment	Variable OH	SG&A	Rent	Salaries	Insurance		Fixed OH
	Materials	Materials	Total	Labor	Labor	Total										Total
Product A	\$4.32	\$1.11	\$5.43	\$2.14	\$0.57	\$2.71	\$0.02	\$0.14	\$0.75	\$0.91	\$1.13	\$0.05	\$0.03	\$0.02	\$1.23	\$10.28
Product B	\$3.68	\$2.09	\$5.77	\$1.65	\$0.44	\$2.09	\$0.03	\$0.11	\$0.57	\$0.71	\$0.78	\$0.04	\$0.02	\$0.01	\$0.85	\$9.42
Product C	\$6.87	\$0.28	\$7.15	\$3.86	\$0.89	\$4.75	\$0.07	\$0.12	\$1.53	\$1.72	\$2.11	\$0.11	\$0.07	\$0.03	\$2.32	\$15.94
<b>Total</b>	<b>\$14.87</b>	<b>\$3.48</b>	<b>\$18.35</b>	<b>\$7.65</b>	<b>\$1.90</b>	<b>\$9.55</b>	<b>\$0.12</b>	<b>\$0.37</b>	<b>\$2.85</b>	<b>\$3.34</b>	<b>\$4.02</b>	<b>\$0.20</b>	<b>\$0.12</b>	<b>\$0.06</b>	<b>\$4.40</b>	<b>\$35.64</b>

### Accurate WIP and Scrap Valuations

Intersperse material costs and routing steps to get accurate WIP values at any process stage.

	Material	Labor	Variable Overhead	Fixed Overhead	Total
Material 1	\$0.56	\$0.00	\$0.54	\$1.43	\$2.53
Material 2	\$2.43	\$0.00	\$1.01	\$2.18	\$5.62
Step 1	\$0.00	\$1.15	\$0.00	\$0.00	\$1.15
Material 3	\$1.35	\$0.00	\$0.65	\$0.98	\$2.98
Step 2	\$0.00	\$4.67	\$0.00	\$0.00	\$4.67
Step 3	\$0.00	\$8.09	\$0.00	\$0.00	\$8.09
Material 4	\$0.34	\$0.00	\$1.66	\$0.13	\$2.13
Material 5	\$0.45	\$0.00	\$0.21	\$0.65	\$1.31
Step 4	\$0.00	\$1.78	\$0.00	\$0.00	\$1.78
<b>Product Total</b>	<b>\$5.13</b>	<b>\$15.69</b>	<b>\$4.07</b>	<b>\$5.37</b>	<b>\$30.26</b>

### Natural Cost Element Alignment

ImpactECS keeps natural cost detail of every child product when consumed by parent.

	Material	Labor	Variable Overhead	Fixed Overhead	Total
<b>Part 1</b>	<b>\$3.02</b>	<b>\$2.14</b>	<b>\$1.93</b>	<b>\$1.07</b>	<b>\$8.16</b>
Child 1A	\$0.30	\$0.70	\$0.78	\$0.24	\$2.02
Child 1B	\$2.72	\$1.44	\$1.15	\$0.83	\$6.14
<b>Part 2</b>	<b>\$4.39</b>	<b>\$3.67</b>	<b>\$2.35</b>	<b>\$1.44</b>	<b>\$11.85</b>
Child 2A	\$1.24	\$1.56	\$1.60	\$0.67	\$5.07
Child 2B	\$3.15	\$2.11	\$0.75	\$0.77	\$6.78
<b>Product</b>	<b>\$7.41</b>	<b>\$5.81</b>	<b>\$4.28</b>	<b>\$2.51</b>	<b>\$20.01</b>

### Detailed Cost Views

Maintain multiple views of costs - standard, actual, frozen, and more - simultaneously with ImpactECS.

### Blended Costs

Choose specific products or categories to blend or average costs based on volume.

### Transfer Price Clarity

Track inter-company profits separately to reveal internal margins and true costs.

## I'm happy with my SAP costing process, but I need more capabilities.

### Eliminate Spreadsheets

Retire error-prone spreadsheets and outdated legacy tools.

### Advanced Simulation Capabilities

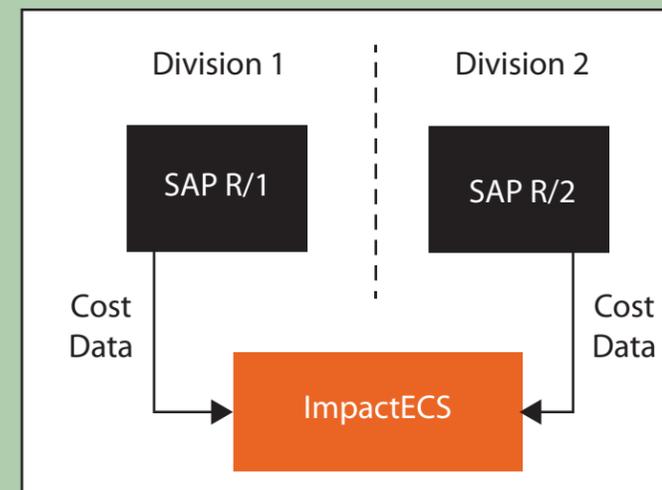
Replicate SAP costs in ImpactECS to run simulations by changing any model variable or input.

### Versioning of Product Costs

Product BOMs and routes change frequently during a time period. ImpactECS is capable of maintaining multiple unique versions of product costs.

### Integrate Multiple SAP instances

With ImpactECS, it is possible to connect multiple SAP instances and map inconsistent field structures to harmonize data and simulate comparable results.



## I need a tool for rate building, forecasting and budgeting, too.

### Build rates within the cost model.

ImpactECS has the capability to calculate rates from historical rate data or to build them from GL account pooled costs.

### Generate budgets and forecasts

Create forecasts by adjusting model variables and automatically build budgets with historical data or from a zero-basis. ImpactECS also makes it possible to map budget categories to GL accounts in SAP.

Learn more about ImpactECS  
[3csoftware.com](http://3csoftware.com)

## About ImpactECS and the SAP Data Integration Tool

ImpactECS is one of the most versatile modeling platforms available for finance and accounting professionals. Some of the world's most recognizable companies have used ImpactECS in conjunction with SAP to build sophisticated cost and profitability models.

We've combined all of the things you love about building spreadsheet models (flexibility, end-user driven) with the features and functionality of a robust financial system (integration, scalability, security, sharing) so you can rapidly implement a costing and profitability system that fits your organization's exact needs.

The **SAP Data Integration Tool** is an ImpactECS utility based on the Microsoft technology stack that extracts data from SAP for use in ImpactECS models.

- Run predefined data extraction jobs to pull data from SAP
- Import General Ledger, Product Master, Bill of Material, Routing, Raw Material Master and more



**SAP**® Certified  
Integration with SAP Applications

Server	Client
Uses SAP .NET connector 3.0	Appears as SAP Servers node in the main navigation pane
Based on Microsoft .NET Framework 4.0	SAP server objects are created with UI
Scriptable within ImpactECS	SAP server objects persist on the server
SAP imports performed using ImpactECS Task Scheduler	SAP server properties are encrypted and stored
Consumer released BAPIs by SAP	

## About 3C Software



Founded in 1988, 3C Software has become the leading provider of cost and profitability systems to a wide range of industries. With over 600 installations in North and South America, Europe, Asia, and Australia, the ImpactECS platform gives business leaders the tools needed to build dynamic models to support the unique and complex analysis required to effectively manage their business.



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