UKSMA
Application Outsourcing: how do you know how much money you are losing/saving?

> Michael Hartley VP Gartner Benchmarking Group

Gartner.

The current Applications Outsource market is showing significant focus on Cost and Price.

- · Applications Development and Support Pricing has always seen to be somewhat of a mystery. What mechanisms exist to determine the price of an Application Development or Support Outsourcing deal? What works and what does not?
- Is size the only price driver? Is measuring the workload really the battleground we expect to see? Is offshore any different?
- Applications Development and Support (ADS) can account for more than 50% of an entire IT budget. Cost management is not possible without a clear understanding of what drives price in order to take effective actions to reduce costs.

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* New question

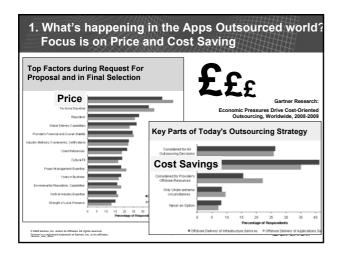
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2009 CIO strategies reflect the need to reduce the cost of IT and raise IT performance

Ranking of strategies ClOs selected as one of their top 5 priorities						
	2009		2008	2007	2006	2012
Linking business and IT strategies and plans		1	f	2	2	2
Reducing the cost of IT	2	↑	10	12	*	6
Delivering projects that enable business growth	J.	*	\setminus	1	1	1
Improving IT governance	4	†	7	8	9	14
Implementing IT process improvements	5	1	6	12	*	13
Improving the quality of IS services	6	*	4	7	12	12
Improving the business and IT relationship	7	*	5	*	*	11
Attracting, developing and retaining IT personnel	8	*	3	4	5	5
Consolidating IT operations (e.g. shared services)	9	1	12	*	*	15
Use of information/intelligence	10	*	9	6	*	4
Developing or managing a flexible infrastructure	11	*	11	7	8	8
Building business skills in the IT organization	12	+	9	8	3	9
Leading enterprise change initiatives	13	*	13	10	*	3
* Now question Source: Gartner's CIO Agenda 2009						

3 Themes		
The Applications outsource ma		
 What types of model are required. Practicalities and rules of engage. 	=	
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6 300 Group, to, palot is altitles, Af rights remain. Group is triggered retained of Group, to, of a primary.	Gartner.	
1. What's happening in t Still growing – but car	he Apps Outsourced world? efully	
"The current economic environment has created two extremes of buyers:	"service providers face several challenges:	
those financially distressed	extreme focus on cost Clients are aggressively seeking ways to	
and those exercising extreme caution but both are exhibiting extreme focus on	deliver immediate cost-benefits Outsourcing levels are set to increase	
cost reduction."	During the next two years, the number of organizations that evaluate their use of IT Outsourcing as high is set to grow	
"Economic woes create extreme price pressure from clients and intensify	 from 30% to 41% in North America, from 25% to 34% in Western Europe, 	
competition. With nearly all organizations looking to reduce IT costs, "	and from 31 to 51% in Asia/Pacific."	
Source: Gartner Research DataQuest Research has identified	Source: Gartner Research	_
DataQuest Research has identified 51 new (large) Applications Outsout	ircing deals in 2008	
• 27 new (large) Applications Outsou		
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1. The Applications Outsource Market What happens when Apps is outsourced?

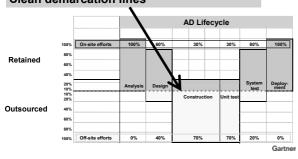
- Application Development is split between the Service Recipient and the Service Provider and the lifecycle responsibilities are initially defined but soon fall apart
- Applications Support scope expands considerably to incorporate e.g.:
 - Help Desk, operations management, and configuration management,
- On-shore/off-shore mix is initially planned as part of the outsourcing business case – but the profiles change under geographically driven price differentials.
- Additional responsibilities are added to fill the gaps in the Service Recipient's previous organisation,
 - Lead Systems Integrator role
 - Risk management

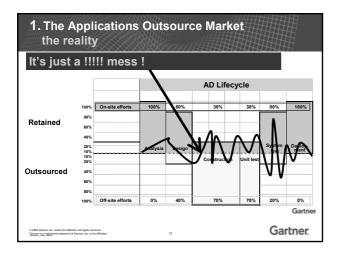
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The Applications Outsource Market The contracted AD Effort and Phase Allocation Clean demarcation lines





1. The Applications Outsource Market Three types of deal are being signed

augmentation

A contract to provision technical workers to supplement clientapplication-related responsibilities, typically on a time-and-expense basis in which labour and hourly rates are the key metrics.

Project-based

A contract involving the purchase of application-related services that are purchased for a specified scope of work finitely executed. Typically, the contract is structured with specific milestone dates for the project work, and payment is contingent on completing the specified work.

Full Application outsourcing A multiyear contract or relationship involving the purchase of ongoing application services from an external provider that supplies the people, processes, tools and methodologies for managing, enhancing, maintaining and supporting custom and packaged software applications, including hosted applications. Services sold via outsourcing include application management and maintenance, and may also include consulting, development and integration, help desk, and other optimization services.

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- - - 2. What types of model are required for benchmarking?

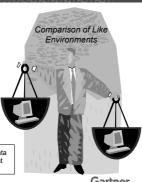
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2. Benchmark Models: What Is a Benchmark?

- A benchmark is a metric comparison of a defined environment to a peer* group with similar environments.
- Analysis can measure cost, price, efficiency, effectiveness and deviation from peer group norms.

*Peer — An Organization whose benchmarking data points match the characteristics of the environment being benchmarked.

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2. Benchmark Models: What types are required for benchmarking?

Staff augmentation

Project-based

Full Application outsourcing The model used must be linked to the type of deal:

- Staff Augmentation Day Rates
- Project Price and Productivity for Project
- Full Outsourcing Price for Service

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2. Benchmark Models: Staff Augmentation

Staff augmentation

Rate Card Assessments.

- Uses a combination of Skill Level models and detailed Job Description information.
- Requires details from SR (and SP) of:
 - Contract terms,
 - Roles and Responsibilities of resources
 - On-shore / off-shore profiles

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	Gart	ner	Ra	Agreed Answer to 1 - Ops Engineer				
	Job Chara	cteristics						
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Jyan				Skills	ш			
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	Experience	5.10 Years			ш			
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2. Benchmark Models: Project Based

Project-based

- Price of a Project.
- Projects are sized,
- · Productivity drivers are documented,
- Project performance is modelled from database productivities,
- Additional factors are used to address:
 - Testing demands to meet required Service Levels,

Combination of Productivity calculation and Rate Card approaches used to benchmark

- time compression to achieve deadlines,
- Additional Service Provider management

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2. Benchmark Models: Full Outsource

Full Applications Price Benchmark

- Based on combination of Productivity calculation and Rate Card approaches used to benchmark Development and Support.
- Using models to support shared/split responsibilities through the development lifecycle.

Challenges:

Full Application outsourcing

- "Agile" methods will undermine the current ability to allocate performance responsibility between SP and SR
- Sizing of Development outcomes Function Points is still the best approach but there are pockets of significant resistance
- Moves to "Business Value" outcomes will require rethink on measures of productivity

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2. Benchmark Models: Typical results and uses

Benchmarking ...

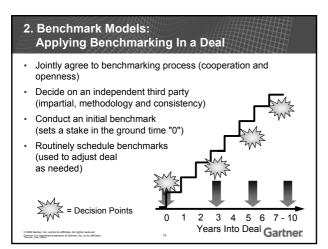
- ... provides a measure for continuous improvement
- ... tests the validity of fees for certain services
- ... evaluates relative performance within a peer group
- ... creates leverage for price adjustments
- ... quantifies the appropriate price/service delivery balance

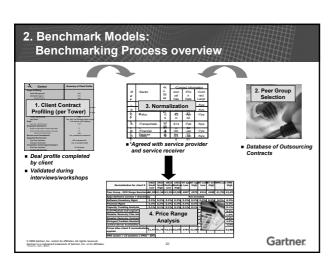
Benchmarking basics:

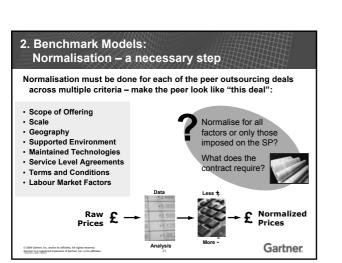
Coverage areas	When?	How often?	Comparison metrics	Methodology
Peer group	Provider	Realistic	Benchmark	How to use
selection	selection	definitions	management	results

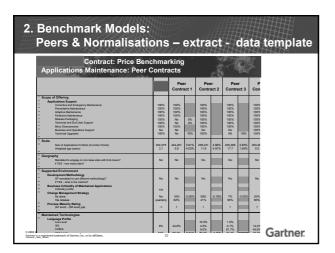
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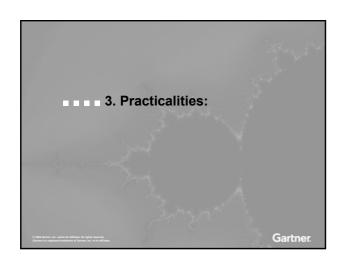






2. Benchmark Models: Peers & Normalisations - normalisation factors Contract: Price Benchmarking Applications Maintenance: Peer Contracts Normalisation factors are applied to adjust for differences between the peer's characteristics and those of "this deal" The deal The peer Factor FP Size 204,075 244,201 3.61% 3.1 5.9 4.03% Apps Age Via release Process Maturity Rating (SP level) - (SR level) Gartner.

2. Benchmark Models: **Summary Normalisations & Price Comparison** XYX Application Support Calculated price per year Unadjuste Price Adjustme Contract £ 489,947 £ 565,936 8.2% 1.3% 2.7% 3.6% £ 649,593 4.1% -0.6% 3.5% 2.6% 0.8% £ 798,543 10.8% -1.2% 0.0% 7.9% 3.6% 0.8% 57% 3.6% 2.7% -0.6% -2.7% -1.4% 1.3% 3.6% 25,700 6.9% 1.8% 1.3% -0.6% 1.7% 0.5% 3.6% 2.9% Minimum £ 489,947 132% Average £ 555,700 £ 708,013 ent XYZ £ 645,923 Gartner.

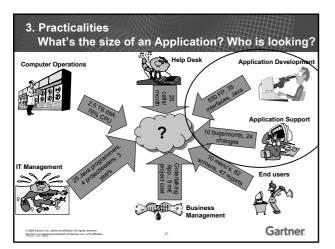


3. Prac	cticali	ties			
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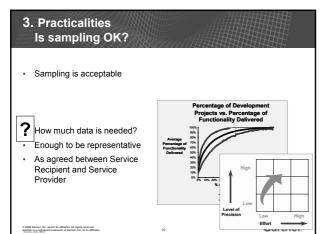
• Everyone's favourite subject

Sizing

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3. Practicalities different sizing approaches for different deals Counted Function Points - Formal FPA e.g. with the International Function Point User Group (IFPUG) or NESMA methods OK for Drill down **Fast Function Points** e.g. Gartner Fast Function Point Analysis (FFPA) **Express Size** Number of objects x factor : only for portfolio OK for Speed & low High leve Counted Lines of Source Code → "Backfired FP" Part or whole portfolio (i.e. not for individual apps.) Option for **Estimated Lines of Code** cost High level Comparative Functionality Source: Gartner best practices Gartner.

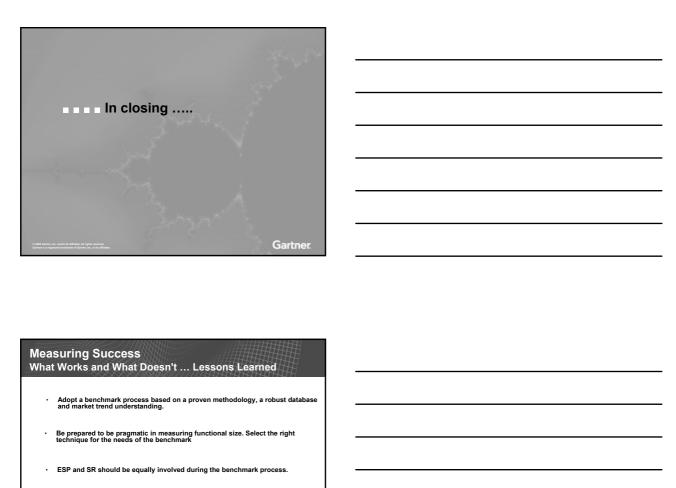


3. Practicalities Good Measurement Practices

- Size is a major price driver for outsourcing contracts in Application Development and Support, but not the only one. Others are: complexity, quality, technology, volatility (for Apps Support)
- · Each of these needs to be measured.
- Use Function Point Analysis to determine the size of an Application in Support or to be developed. Lines of Code can be an alternative,
- Have the functional design counted TWICE: once by the SR, once by the SP. In case of conflict, seek arbitrage via a 3rd party.
- · Agree on the size (and other price drivers) before negotiating on price
- Base contracts for AD and AS on a productivity figure (hours/FP), or on a price (£/FP)
- Create metrics to stimulate the ESP to meet requirements of the deal which could be increase productivity, reduce defects, or reduce costs.

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	Who I'v	
Q&A		

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Don't focus on data exclusively from industry peers — you may find the best practices elsewhere.

Benchmark the contract and remember the constraints under which the SP has

Normalisation is normal!

to operate.