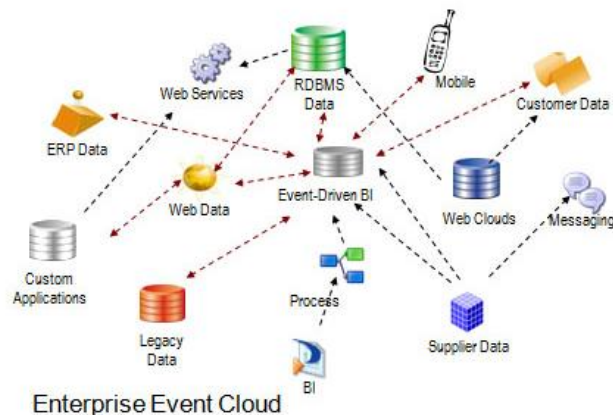


Business Intelligence

For a

ZERO LATENCY organization

(Event Driven Architecture)



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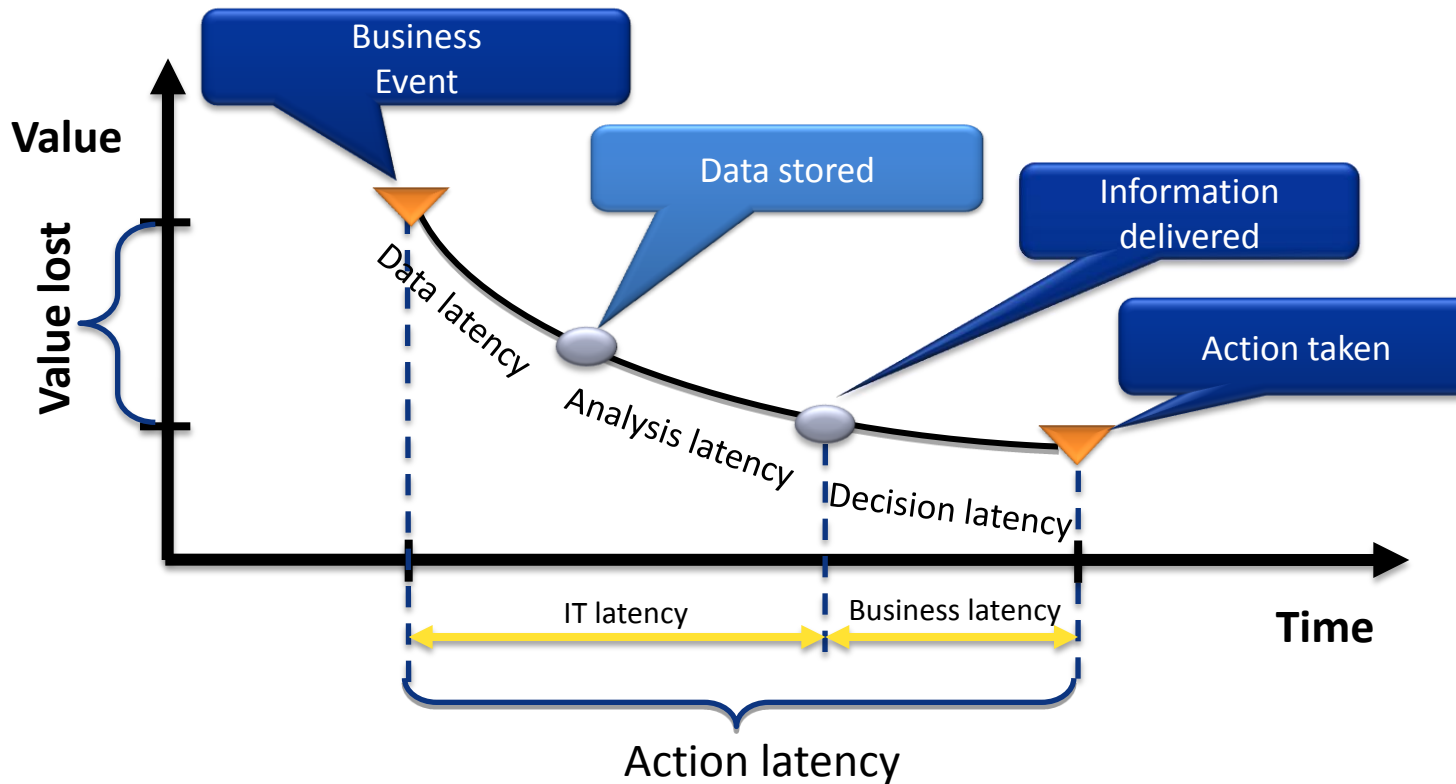
The concept: Zero latency Organization



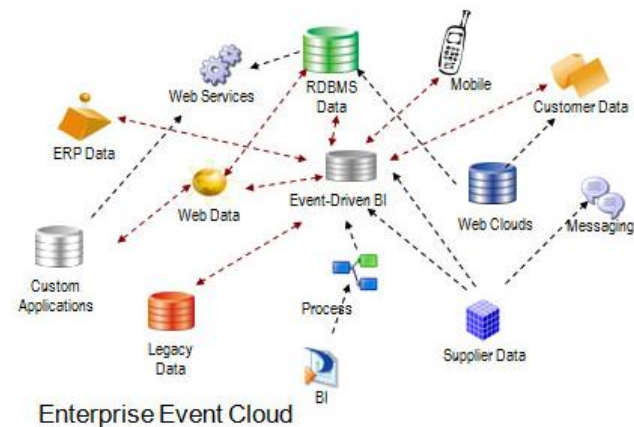
What is a ZERO LATENCY organization ?

Is an organization where the Action Latency is align on business process timing

Three types of latency (Based on HACKATHORN, 2004)



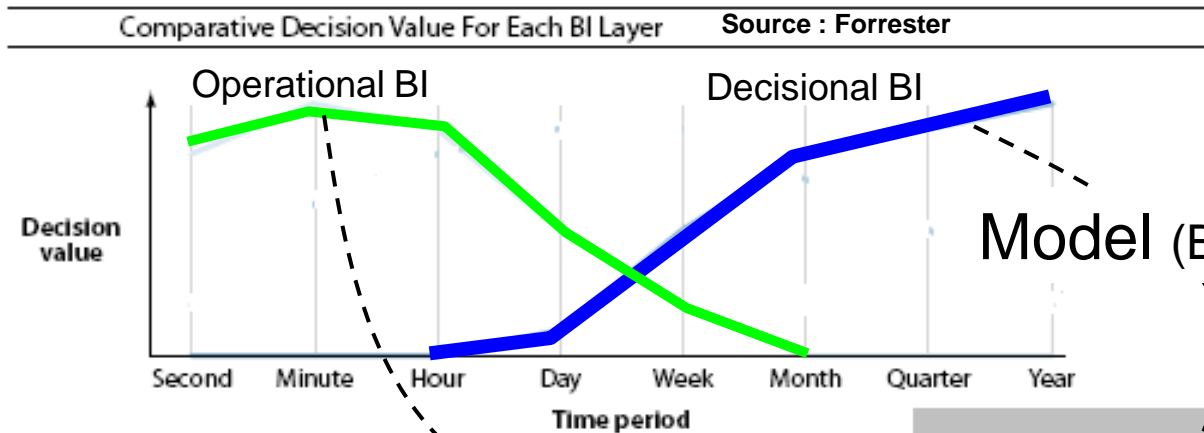
The “corner stone”: BI New Gen based on an EDA (Event Driven Architecture)



BI New Generation

- Is a set of new concepts about the use and exploit information for the enterprise (more analytics, collaborative, closed loop between decisional & operational...)
- The heart of it, “temporality”
- Based on an event driven architecture to consume data in “real/right time” (streaming mode)
- For a “zero latency organization”, where, information, decision and action are link in the same process & timing

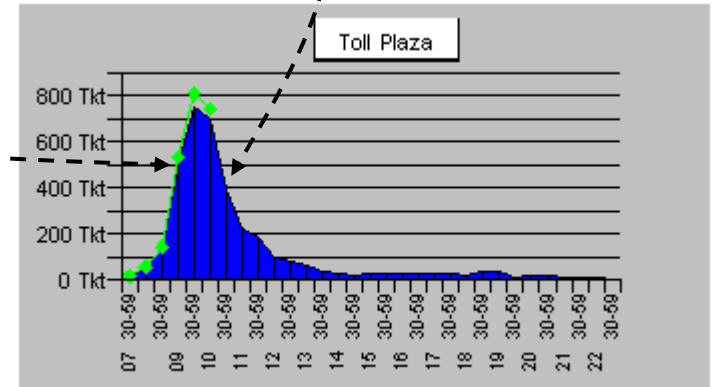
BI Matter of Timing & data Granularity



Current (EDA)



Difference between these 2 modes is timing, data granularity.



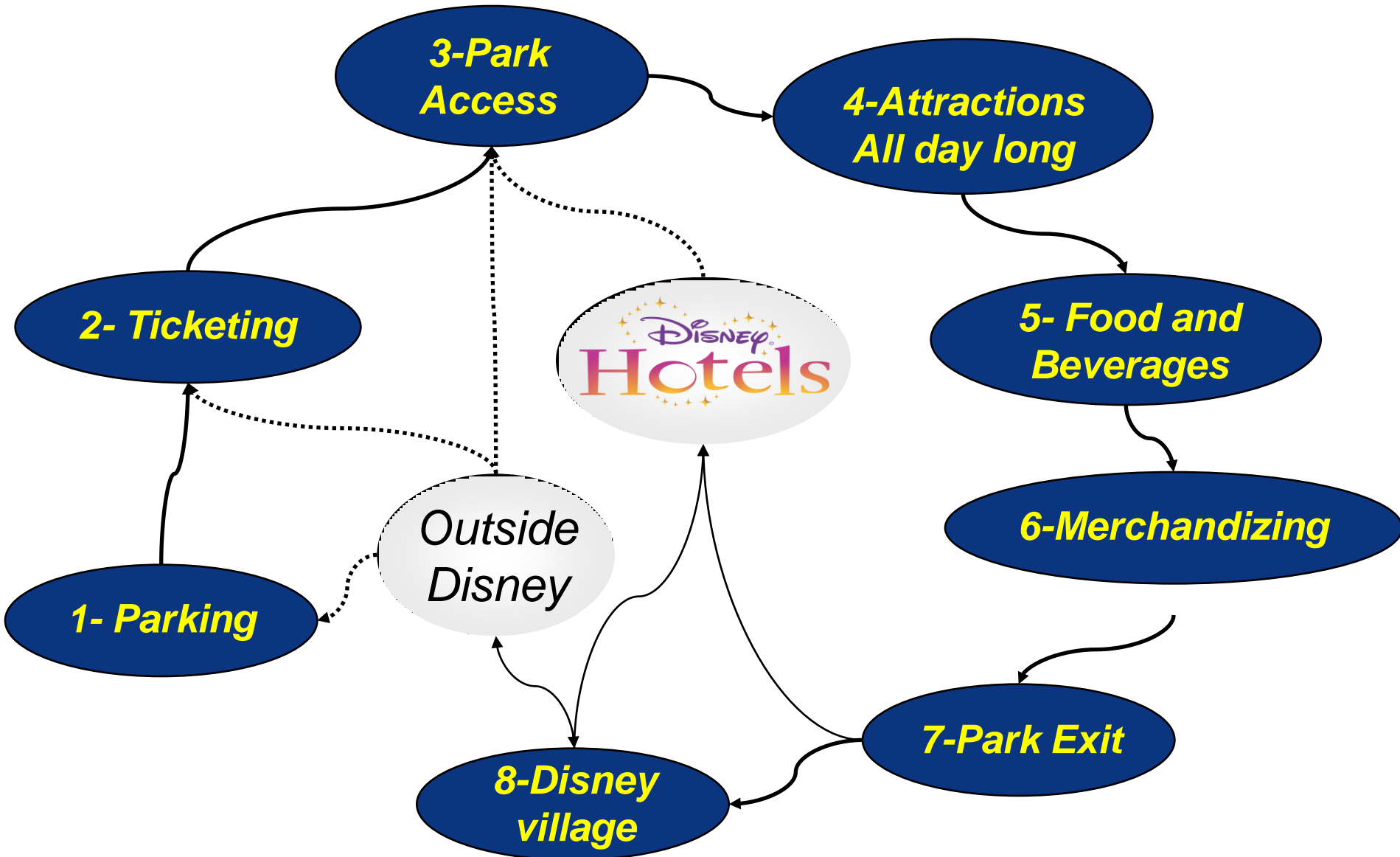
Closed loop between Decisional & Operational BI

The Scope & Solution:

“To Serve Every Day Thousand of Dreams”



The Service Day : About 20+ customer iterations on the Resort



A Zero Latency Organization

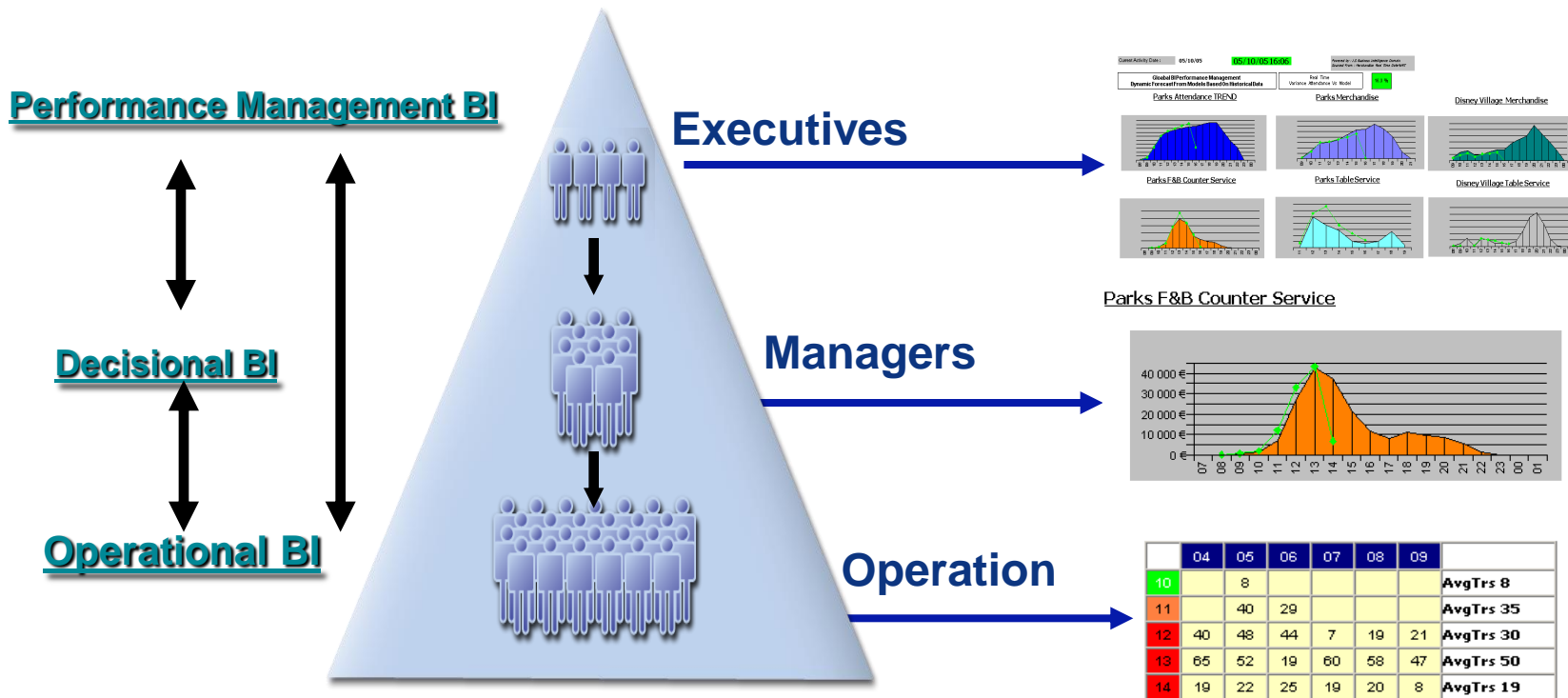
- **“Real-time” traffic visibility from 900 Point of Sales (POS), compared with an objective of productivity by:**
 - Date & Time
 - Location (attractions, shops, restaurants ...)
 - By cash register / Attraction ...
- **Frequent refreshment of the information: < in 10 ’**
- **Elaboration of a forecast model allowing to anticipate the actions).**
 - objectives (budget)
 - contextual model (history, season, day, level of frequency)

A Pervasive BI: Publish to all the level

- **Activities are continually measured:**
- **Continuous Optimization means Continuous Monitoring**
- **Information is available at all organization levels, in real time to all actors, either through a BI portal or BI mobile solutions:**
 - ▶
 - Workers have a real time visibility on their productivity
 - Key managers follow trends, based on aggregated figures.

BI Aligns & Connect All The Levels In The Enterprise

- Information needs are different at each level



THE PERVASIVE Business Intelligence (on demand & on device)

BI In Motion



The Service Day : About 20+ customer iterations on the Resort

Toll Plaza

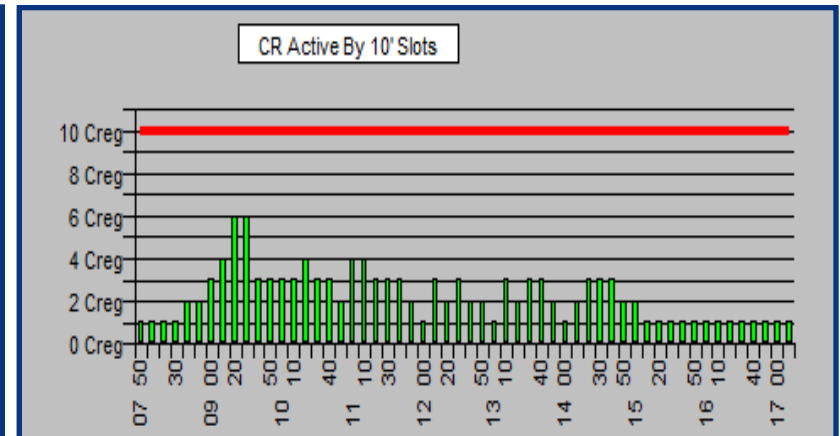
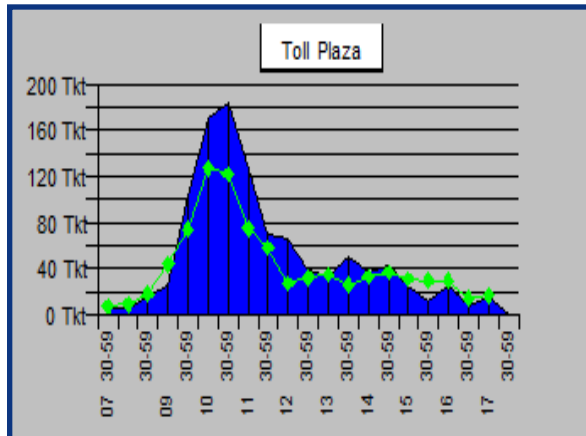
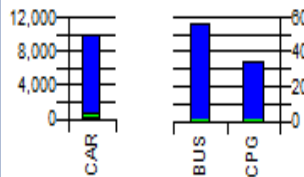


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Real Time Guest Entry Complex (Toll Plaza / Main & Front Gate)

Powered by : I.S Business Intelligence Domain
Sourced From : Galaxy DB & DataMART's

Vehicle	BUS	CAR	CPG
Capacity	561	10,076	350
Used	12	833	1
Free	549	9,243	349
% Occ	2%	8%	0%



The Service Day : About 20+ customer iterations on the Resort

Park Access

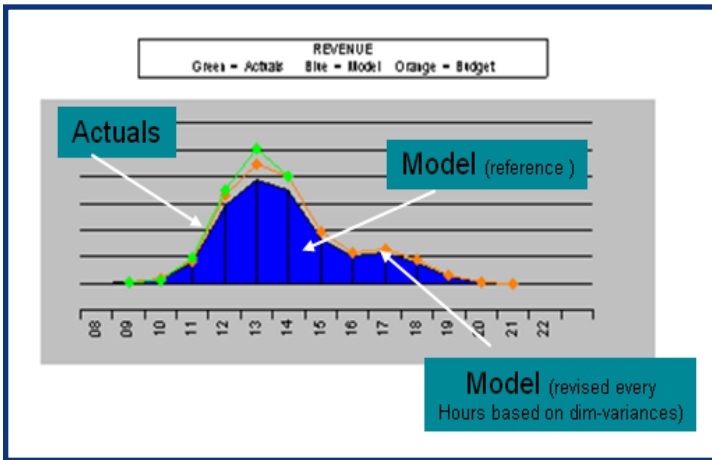


Disneyland Park

					MKP Exit/Entrance	MKP Central Entrance																				MKP VIP Entrance		
		Turnstile	Avg	Gsts/Min	45	44	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	17	16	15	
14	0-29	18	67	3,3	8,3	3,7					2,7	4,8	6,7	5,6	5,6	6,1	2,7	3,7	1,9	1,2							1,7	2,3
13	30-59	18	83	2,8	5,6	5,4					2,1	3,6	3,5	4,4	3,7	5,0	3,7	1,6	1,0	0,5							0,7	3,2
13	0-29	18	85	2,8	2,1	1,4					1,8	4,3	5,0	5,1	6,2	4,1	4,8	2,5	3,3	0,2							0,1	4,6
12	30-59	18	75	2,5	4,4	6,8					0,6	2,7	3,3	4,7	3,8	4,0	2,6	1,8	1,5	1,4							0,3	1,8
12	0-29	18	102	3,4	9,7	2,1					2,3	4,1	4,7	5,4	5,5	4,2	3,4	2,5	1,5	2,9							1,5	1,4
11	30-59	26	102	3,4	4,7	2,5	0,4	0,5	1,3	1,8	6,0	6,1	6,4	5,6	5,1	6,9	6,4	6,2	6,0	6,5	1,8	3,3	0,9	0,6			1,8	2,5
11	0-29	27	151	5,0	2,5	3,6	3,1	4,6	4,6	6,2	4,0	7,8	8,2	8,4	5,7	4,5	6,8	5,1	2,3	4,6	5,3	5,0	8,3	9,0	2,9		3,8	5,7
10	30-59	26	166	5,6	3,2	1,0	5,7	6,3	6,7	5,4	4,0	7,8	7,4	5,7	4,2	7,8	7,6	8,9	3,9	7,0	6,2	5,8	6,2	8,0			6,9	4,9
10	0-29	26	176	5,9	1,1	1,1	4,8	4,5	5,0	5,8	5,0	8,6	7,4	7,0	6,2	7,7	9,6	9,5	6,4	7,3	7,0	7,7	6,8	8,2			4,7	5,4
09	30-59	23	146	5,0	0,1					1,2	0,5	7,4	5,6	7,1	7,8	7,2	7,7	8,0	6,5	6,0	6,1	6,4	4,5	4,3	7,9		1,4	4,2
09	0-29	15	25	0,8							0,1	0,1	0,0					0,2		0,1	0,2	0,2		0,5	0,1		0,8	2,7
					1 145	748	391	466	548	570	1 039	1 589	1 711	1 709	1 505	1 654	1 629	1 377	898	1 093	769	674	785	998	85	642	1 082	

The Service Day : About 20+ customer iterations on the Resort

Food & Beverage



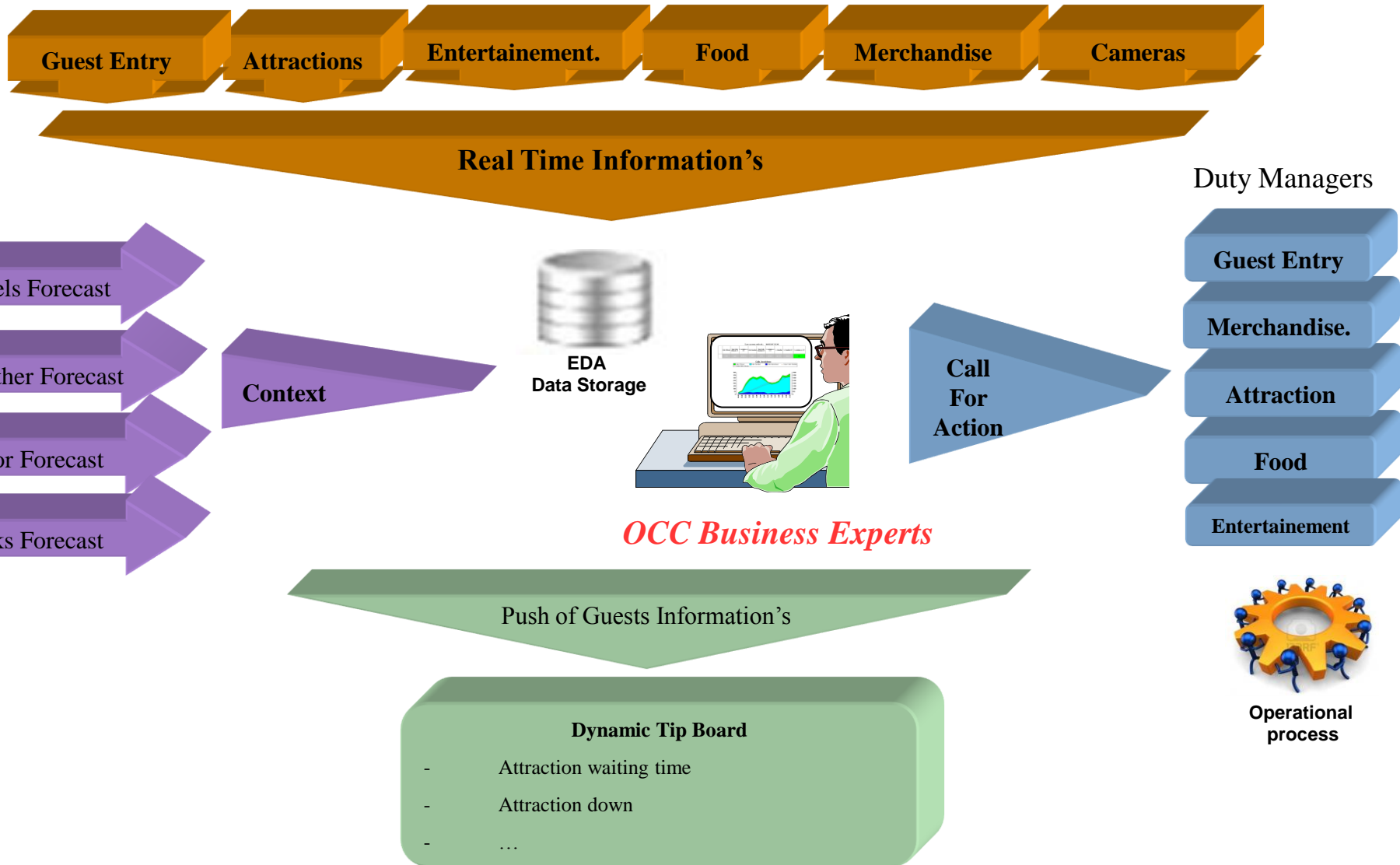
	15						14						
CReg	30-44	15-29	00-14	Sum	Rev	ChkAvg	45-59	30-44	15-29	00-14	Sum	Rev	ChkAvg
04							10	13	15	17	55	1709€	31€
05	20	14	18	52	1175€	23€	16	14	19	15	64	1807€	28€
06	8	6	13	24	468€	20€	8	7	15	14	44	1043€	24€
Sum	25	20	31	76	1643€		34	34	49	46	163	4559€	
#CregAct	2	2	2				3	3	3	3			

The process dimension: The Operational Control Center

An Operational Control Center (OCC)

- **Park activities piloting from a Control Center**
- **Management of the entrances and performances of the different activities (parking, entry, shops, attractions, restaurants)**
- **Real/Right Time information are available to operational managers on the parks**
- **Decisions are fact-based**
- **Resources are dynamically adjusted according to the context**

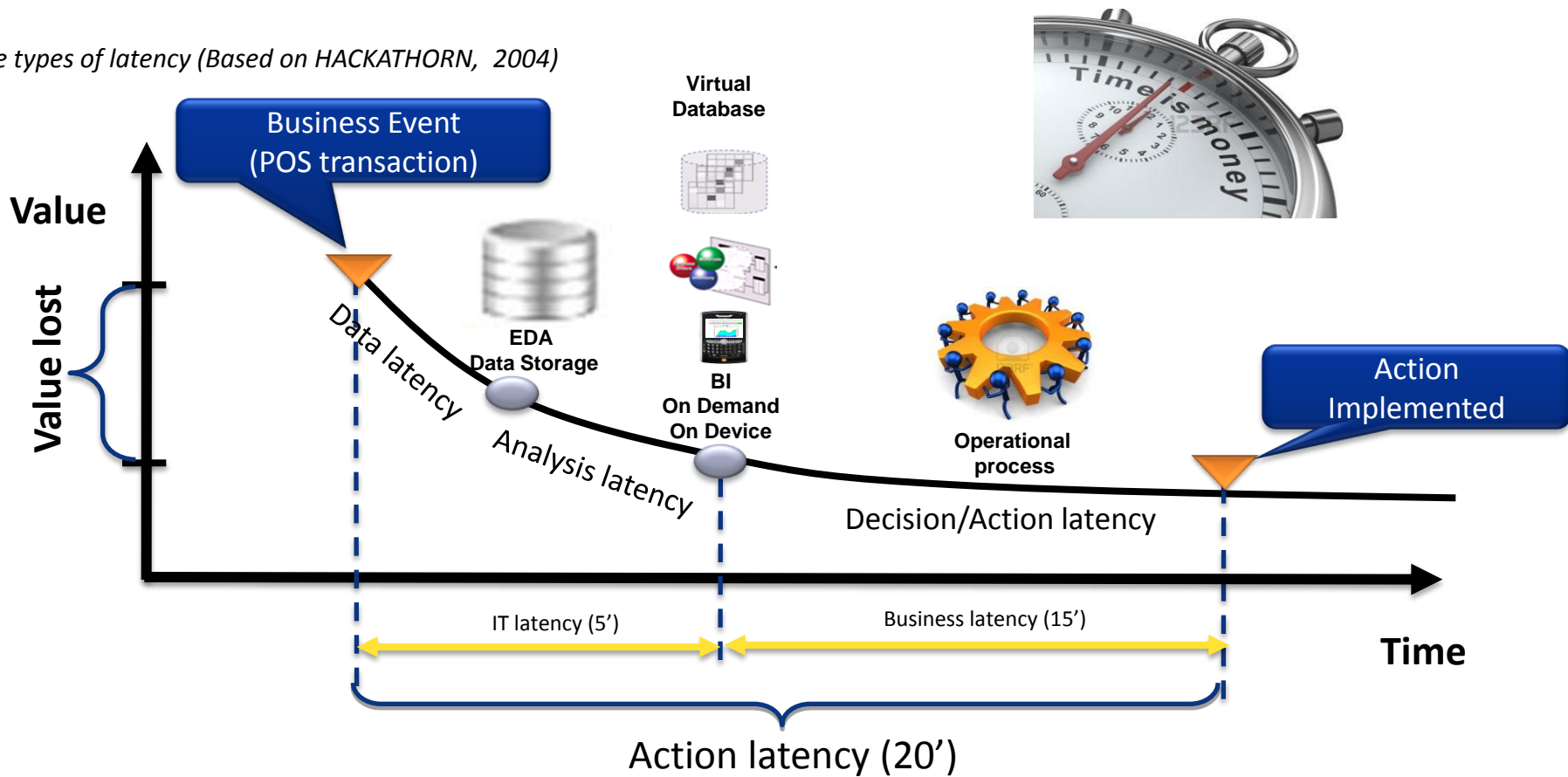
An Operational Control Center (OCC)



What is behind the magic?

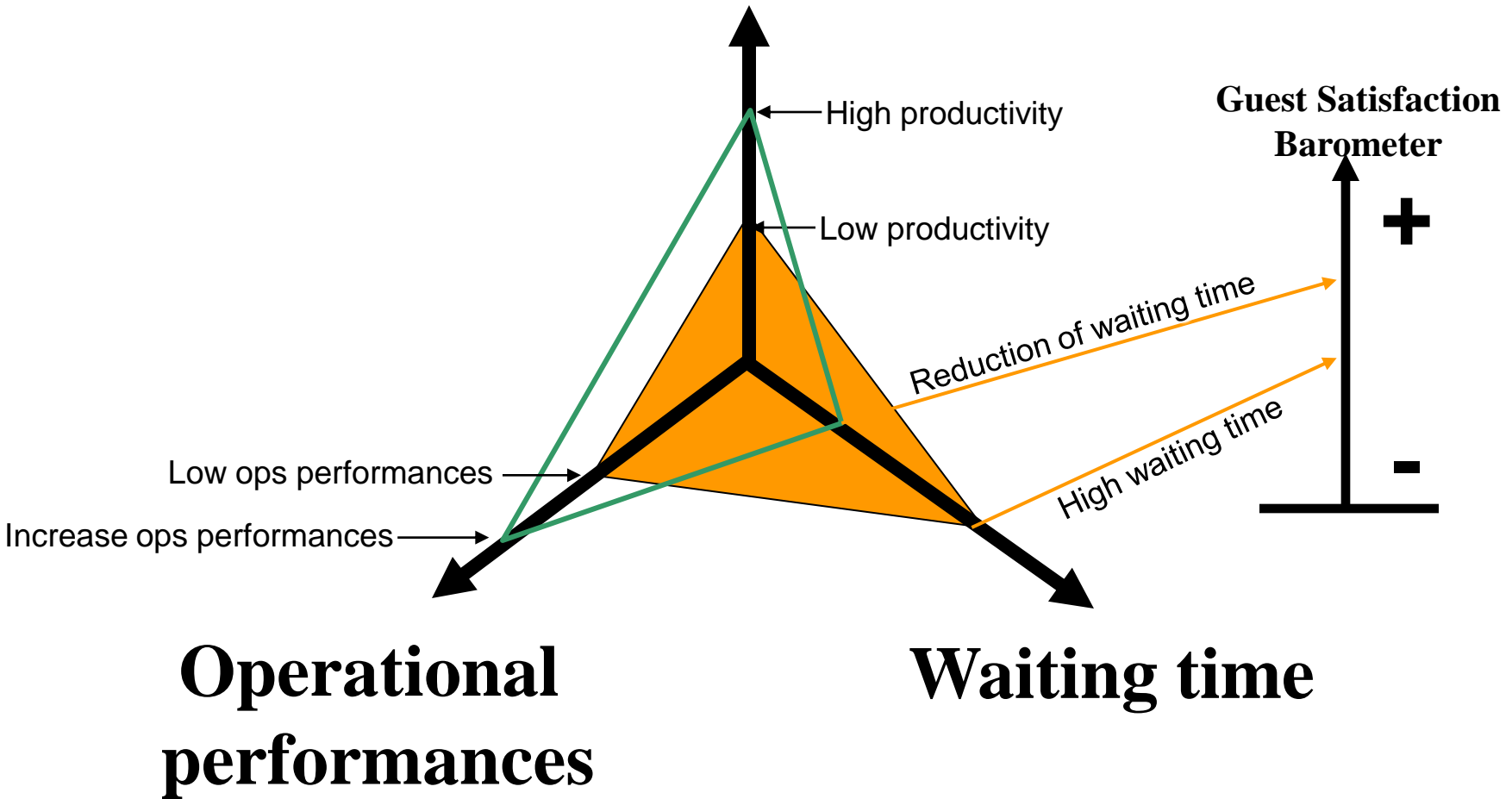
BI On Demand & On Device link to very reactive operational processes & organization

Three types of latency (Based on HACKATHORN, 2004)



The Benefits

The Productivity



Thanks for listening

- **Questions / Comments**

- **Next ... ?**