

THE SYSTEMS LANDSCAPE OF A TOURISM COMPANY IS LIKE A HUMMING-TOP... IT NEEDS TO KEEP TURNING AND IT TAKES EFFORT TO KEEP IT TURNING!



Taking this analogy a bit further...

- 'Interfaces' represent 'assembly lines / conveyor belts'
- 'Hardware & applications' represent 'machine stations'
- 'Data' represents 'processed material'

There is more to a factory than materials and machines!!

- · 'Users' represent the 'machine operators'
- 'Workflow & processes' represent 'work routines'
- 'Organisational structures' represent the 'factory setup'
- 'Inter-& Extra-organisational systems' represent 'supply & distribution chains'

SYSTEM INTEGRATION IS ENSURING THAT ALL THE AFOREMENTIONED COMPONENTS WORK TOGETHER... WHAT KEEPS THE FACTORY PRODUCTIVE & THE COMPANY PROFITABLE!



Essentially this means that if a tourism company is to **SUSTAIN ITS OPERATIONS & REMAIN COMPETITIVE** in the short-term the system landscape needs to:

BE FUNCTIONAL (support operational processes)

AND

REMAIN SO OVER TIME (corrective, adaptive, perfective and preventive maintenance)

MAINTENANCE TRAP: Over time Maintenance tends to:

- · Increase the complexity of the systems landscape
- Which can leads to a maintenance backlog (i.e. focus on corrective & adaptive maintenance)
- · Which in turn, by neglecting preventive maint. Increases complexity
- Causing maintenance costs to explode at the expense of new development projects
- Discouraging IT staff and reducing development quality
- Negative reinforcement and gradual deterioration in the medium-term

IT TAKES MORE PHYSICAL EFFORT TO SPIN THE HUMMING TOP!!



At a market-level we are experiencing:

- · Rising customer demands for information
- · Increasing content availability and magnitude
- And a derived need for transparency and standardisation

At the same time (technology front):

- Technology is becoming more pervasive, affordable and diffused at all level of business and society
- Enabling and simplifying application development and connectivity

The interplay between the mentioned MARKET-DRIVERS and TECHNOLOGY-ENABLERS has contributed to the emergence of:

- New business models in tourism...
- Fuelling new competitive as well as cooperative options...
- Expressed by the wave of M&A activity and joint ventures over the last years... Not mentioning the more recent trend of Global New Entrants (competing with GDS)

In the light of all this one can expect a tendency for what I call hyper-connectivity, which in turn imposes significant requirements on system integration practices and aproaches



As connectivity requirements increase:

- The meaning of Integration surpasses the notion of software integration
- Including additional business system components
- And extending beyond organisational boundaries

The increasing degree of integration is concurrently:

- A necessity for operational survival Supporting the existing system model
- A maintainability-reduction factor Eroding the efficiency of the current business model, whilst disabling its adaptation to future requirements

The spinning top becomes heavier, decreasing its spinning speed, requiring more effort to spin it, and is less likely to cruise along the floor / table!!

Issues for Discussion Hochschule Bremerhaven Future Rotations...!! Interester **Evaluation & potential implications of the HCH:** Do you see evidence supporting this hypothesis? • • How does this affect the future of 'traditional' tourism intermediaries? To what extent is this relevant for Tourism E-٠ intermediaries? • Can we expect an 'E-Tourism Bubble'? Meeting the COLA challenge: • Are current 'legacy system solutions' adequate? - EAI solutions? Architectural schemas? _ - Development methodologies? - IS governance structures & management practices? • Where do we go from here?

Are 'IT-legacies' simply replaced by 'E-Legacies'?

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