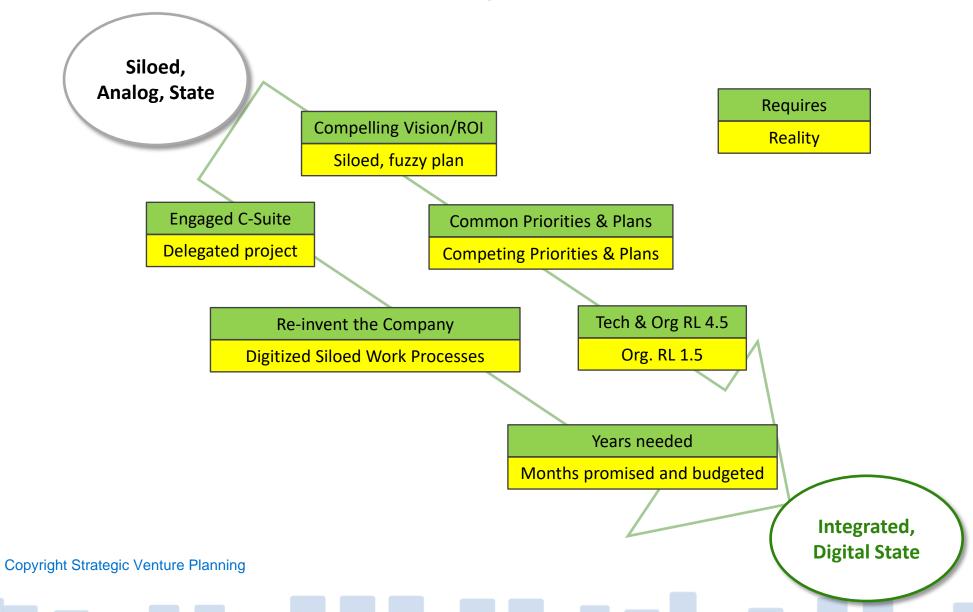


2021
Annual INCOSE
international workshop
Virtual Event
January 29 - 31, 2021

MBSE – Culture Change Panel

Digital Transformation Journey





Silos





Most large enterprises are remarkably siloed Bounded rationality is the norm





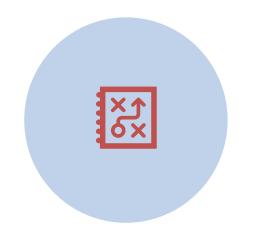
- Bounded rationality is the idea that rationality in individual's decisions is limited by:
 - the tractability of the decision problem
 - the cognitive limitations of the mind
 - the time available to make the decision
 - the perceived or actual limits of their view or knowledge (boundaries)
 - some combination or all of the above
- Decision-makers, in this view, act as <u>satisficers</u>, seeking a satisfactory (local) solution rather than an optimal (systemic) one.

Source: Simon, Herbert; Models of Man

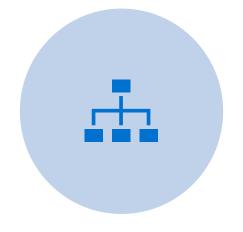
Bounded Rationality



3 fundamental corporate processes drive BR



STRATEGY DEVELOPMENT and DEPLOYMENT (OKRs)



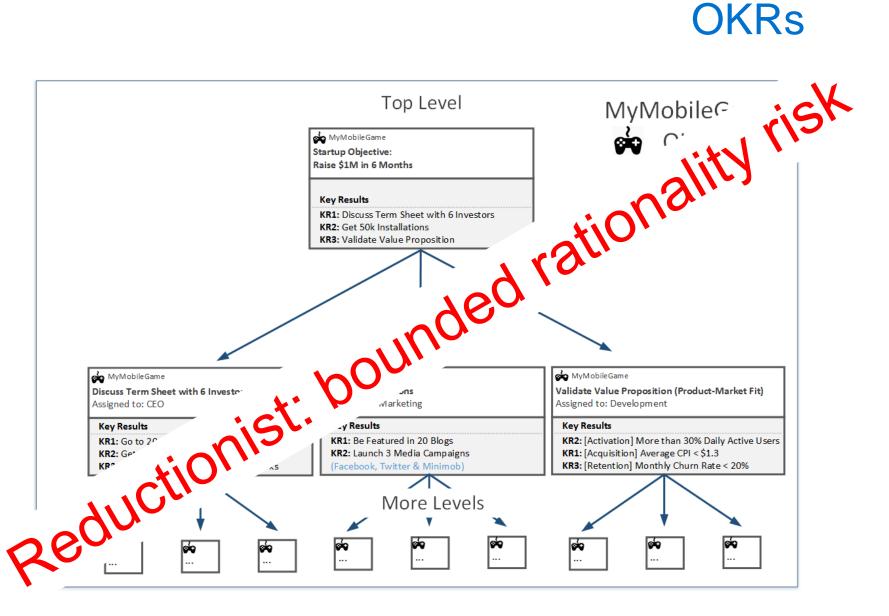
OPERATIONAL TOTAL SHAREHOLDER RETURN (OTSR)



INCENTIVES (\$\$)

OKRs



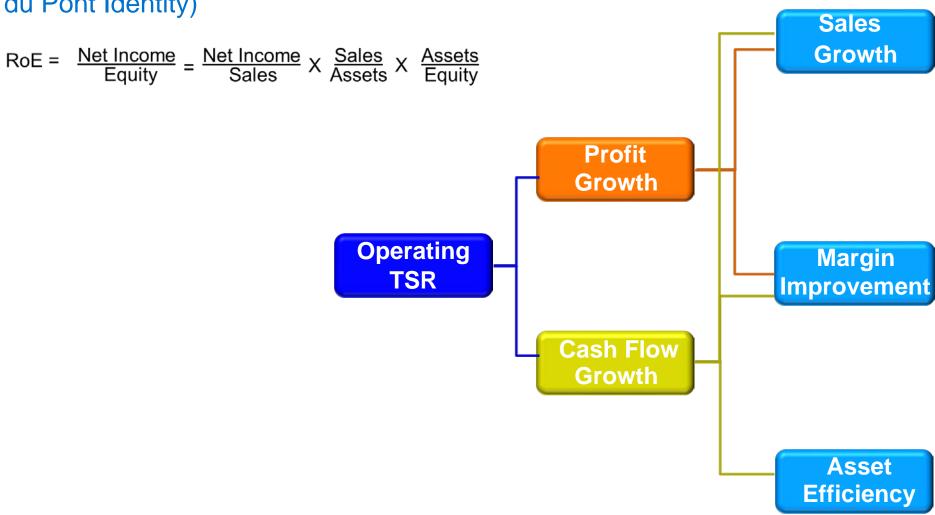


Source: http://www.okrcoaching.com/

OTSR (du Pont ID)



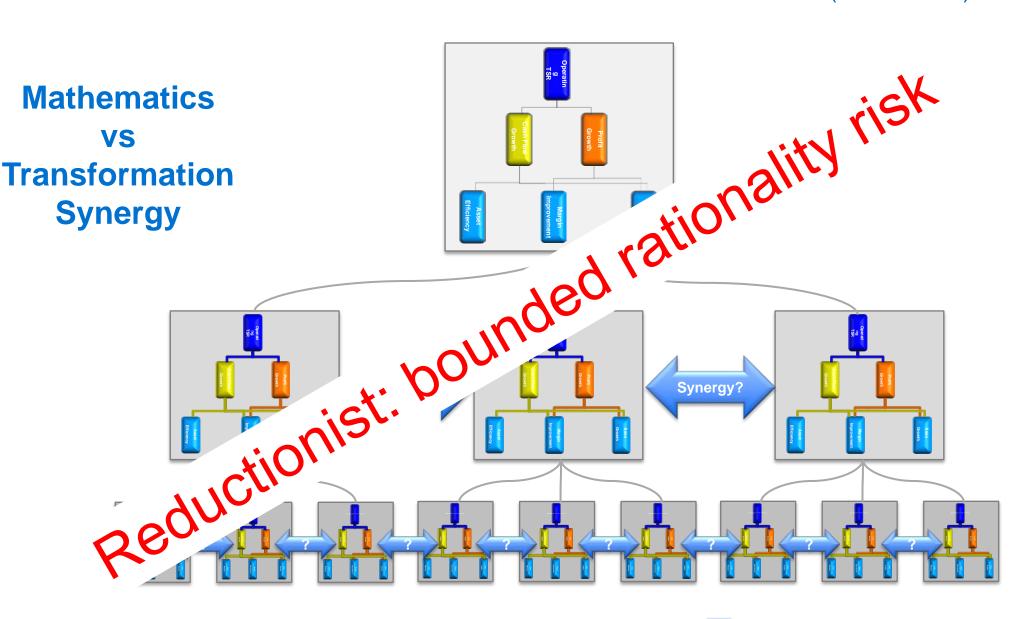
du Pont Identity)



OTSR (du Pont ID)

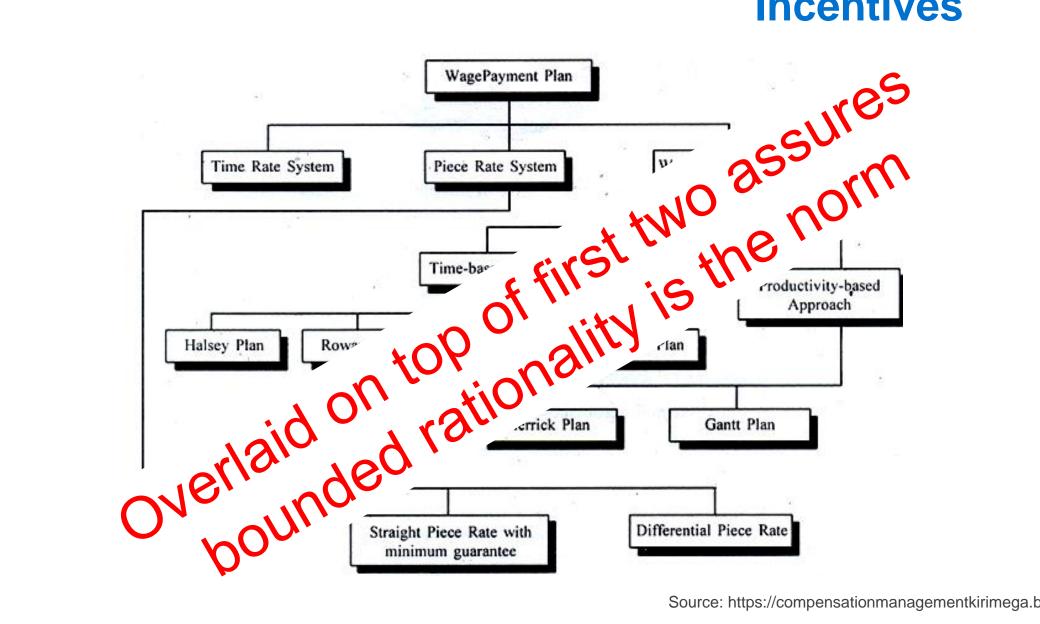


Transformation



Incentives

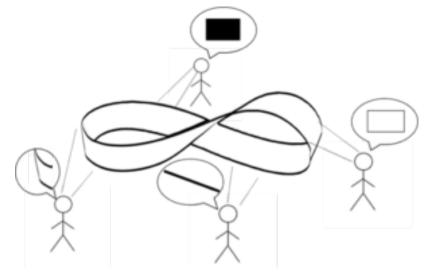




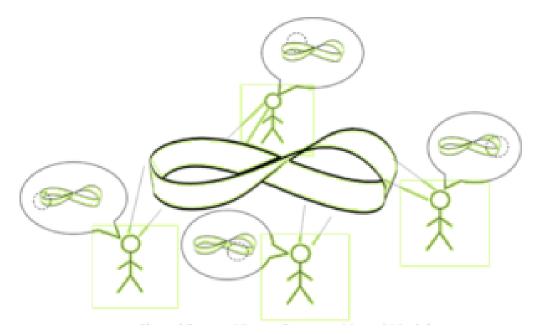
Source: https://compensationmanagementkirimega.blogspot.com/

Systematic vs. Systemic





Siloed Views – Bounded Rationality



Shared System View – Common Mental Models

Copyright Strategic Venture Planning

Deming on Systems



- The Appreciation of a system involves understanding how interactions (i.e., feedback)
 - between the elements of a system can <u>result in internal restrictions</u>
 - that force the elements in the system to behave as a single organisms, not as system elements (holons), that automatically seeks a steady state (bounded rationality).
- It is this "steady (bounded) state" that determines the output of the system rather than the individual elements.
 - Thus it is the structure of the organization (read system) rather than the employees, alone, which holds the key to improving the quality of output.



"The way we/I have always done it"



Three Keys (and challenges)

- 1. Must get C-Suite to think in systems (systemic and systematic)
 - Very rare!
- 2. Must have C-Suite support and engagement
 - Engagement is rare and support is usually lip-service.
- 3. Must have compelling reasons for transformation Strategic, ROI, preferably both
 - Rare, usually aspirational happy talk and effort is viewed as an expense (a corporate tax at the division/local level), and therefore, resisted.



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David Long

Vitech