High Performance Teams Designed to Manage Across Boundaries are *X-Teams*

Team

External Activity

<u>Ambassadorial</u> activity involves managing upward to market the team and lobby for resources <u>Scouting</u> activity to gather information inside and outside the organization <u>Task Coordination</u> activity manage

laterally with other teams and functions

Extensive Ties

<u>Strong Ties</u> facilitate coordination and transfer of complex knowledge <u>Weak Ties</u> help identify sources of unique knowledge

Expandable Structure

<u>Core Tier</u> maintains team history, strategy, and key decisions

Operational Tier perform on-going work

<u>Outer-net Tier</u> contribute on an ad hoc basis to provide specialized expertise

Flexible Membership

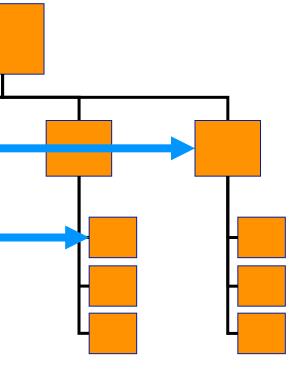
Team members transfer between tiers as well as on and off the team

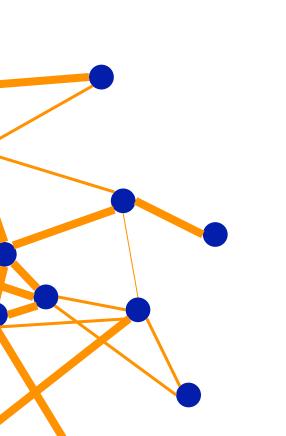
Mechanism for Execution

Integrative meetings, transparent decision making, and scheduling tools are used to coordinate internally between members and tiers

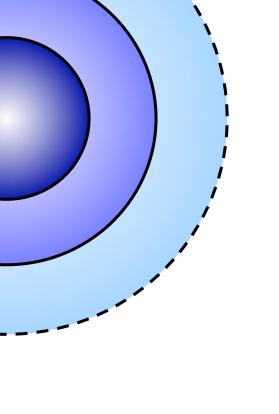
Source: Ancona, Deborah, Henrik Bresman, Katrin Kaeufer. "The Comparative Advantage of X-Teams" *MIT Sloan Management Review*. Spring 2002, Vol 43 No 3.

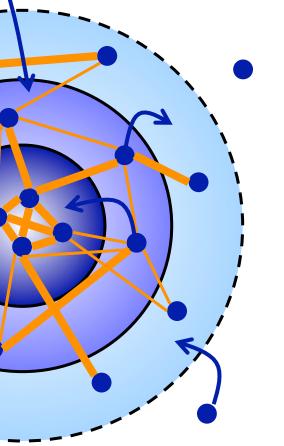
Creating High Performance X-Enterprises Applying X-Team Theory to Aerospace Programs











What Does an X-Enterprise Look Like?

External Activity

- Maintaining credibility
- Involving all stakeholders
- Identifying core competencies and sources of expertise

Extensive Ties

 Utilizing and integrating the knowledge network of the entire enterprise

Expandable Structure

- Core tier: system integrator, customer, major partners
- Operational tier: supplier network
- Outer-net tier: end user, R&D groups, government policy makers and others

Flexible Membership

 Level of activity and involvement based on enterprise needs not organizational boundaries

Key Questions

How do X-enterprises differ from X-teams?

Are X-enterprise characteristics indicative of enterprise performance?

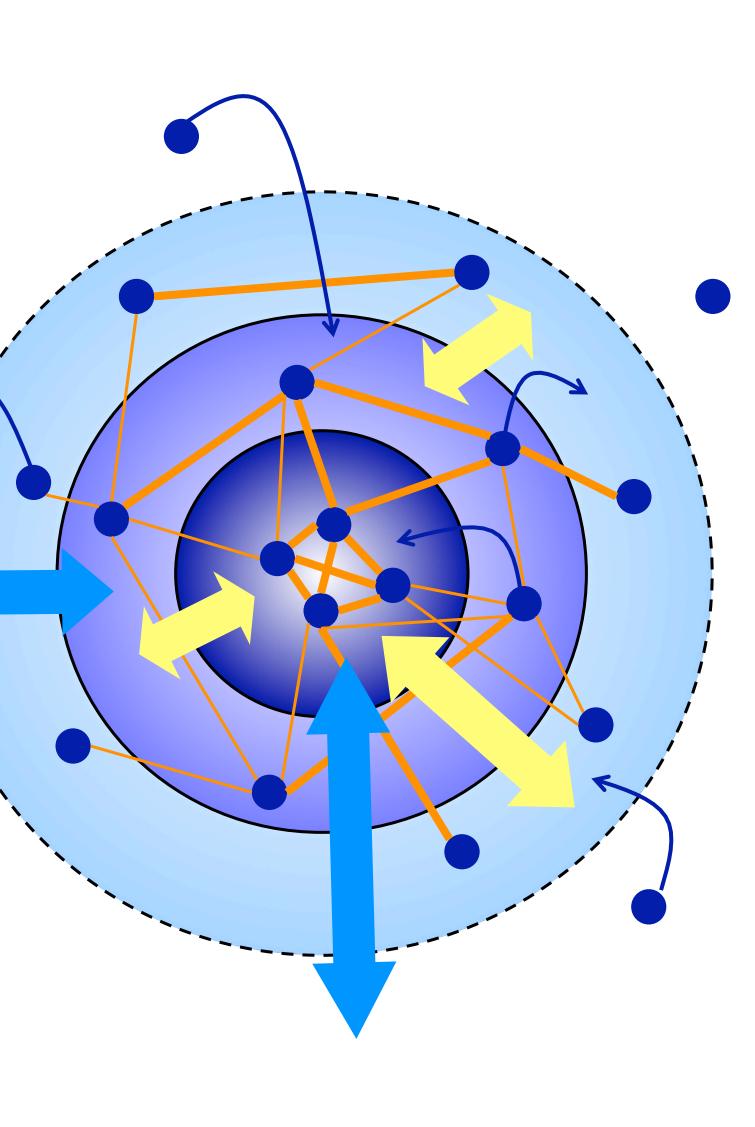
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Phase 1 distin

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Phase 2 application compariso

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Mechanisms for Execution

- Accessible information through common information sharing infrastructure
- Distributed leadership based on flow-down of responsibility, authority, and accountability
- Management support mentality to enable execution
- Integration meetings focused on performance metrics and a shared approach to risk management

Internal Integration

- Rigorous application of systems engineering principles
- Single focus on objective of delivering value to the customer instead of various organizational goals
- Relationship building through communities of practice

Research Design

I) Mini-cases (~3 interviews) in 4-6 programs in each sector to ide nguishing enterprise factors and refine X-enterprise characteristic									
ial		Military Aircraft		gines	Spacecraft		Avionic	S	Mur
2) In-depth case studies (20-30 interviews) of 6 programs to expl n of X-enterprise concepts; programs will be selected to set up a on to investigate X-enterprise characteristics as indicators of enterprise performance									
ase	A	Case B		Case C	Case D		Case E	Са	se F

