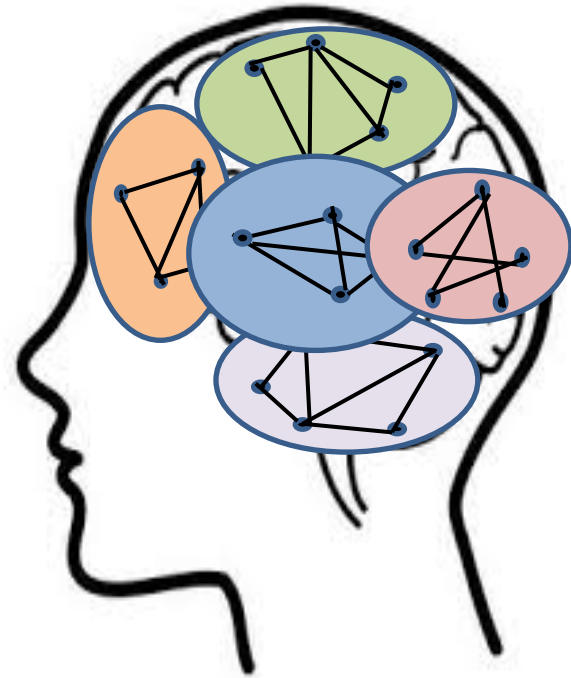


Interdisciplinary Competence: The Key to Exceptional Project Performance

A Leadership Paper by Dr Carol McIlwain

or
**Getting Ahead
Through
Connections**



A Presentation by Ms Amy Houle Caruso



Dr. Carol McIlwain

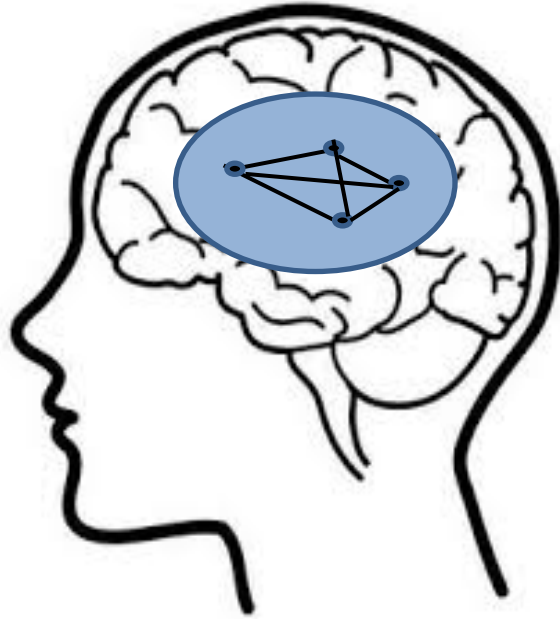
Education & Work Experiences

- Advanced Degrees
 - BS Mechanical Engineering
 - MS National Resource Strategy
 - MS Business Administration
 - MA International Relations
 - ME Engineering Science
 - PhD Civil Engineering
- Naval Air Development Center
- Naval Air Systems Command
- Congressional Staffer
- Policy Analyst
- Senior Advisor Iraq & Afghanistan
- SES - Director of Acquisition & Contracts ONI
- DAWIA Certifications
 - Level 3
 - Program Management
 - Engineering
 - Test and Evaluation
 - Level 2
 - Business/Financial Management
 - Level 1
 - Contracting
 - Life Cycle Logistics
 - Production, Quality & Manufacturing
 - Science and Technology Manager
 - Information Technology
- Master Certificate Contract Management
- Master Certificate Legislative Studies



Benefits of Integrating Knowledge across Project Teams

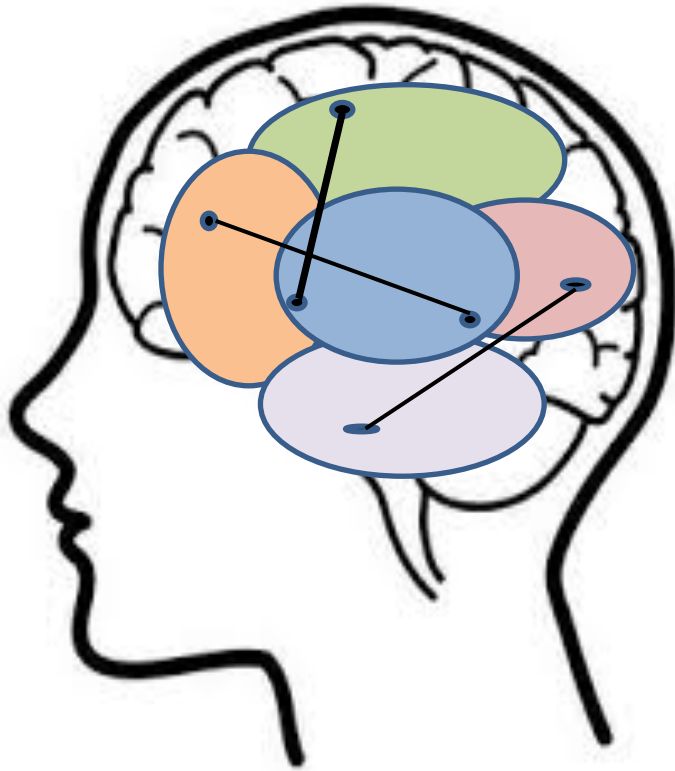
- Introduction
 - Specialist
 - Generalist
- Integrated Product Team Descriptions
 - Theoretical
 - Realistic
- IPT Communication Challenge



Expert/ Specialist

- Natural Talent
- Formal Education
- On the Job Training
- Continuous Learning
- Experiences
- Mistakes along the way

A single interest that does not seem to be appeased



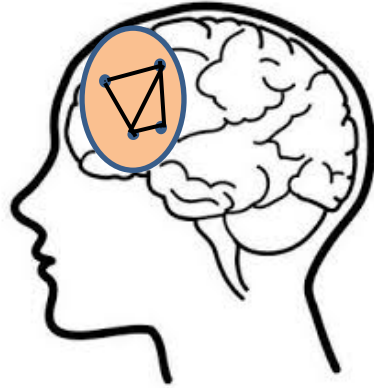
Generalists

- Natural Talent
- Transitions to New Positions
- Full Spectrum of Knowledge
- Continuous Learning
- Mistakes along the way
- Broad Experiences

Appears to get bored soon after obtaining initial knowledge



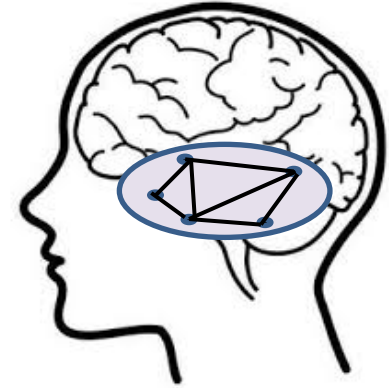
THEORETICAL INTEGRATED PRODUCT TEAM



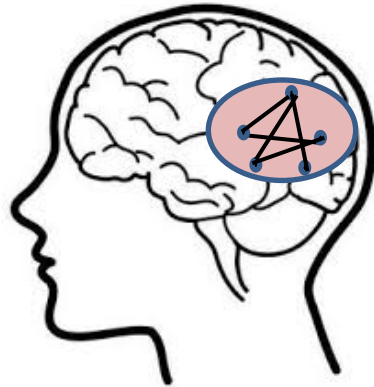
Contracting



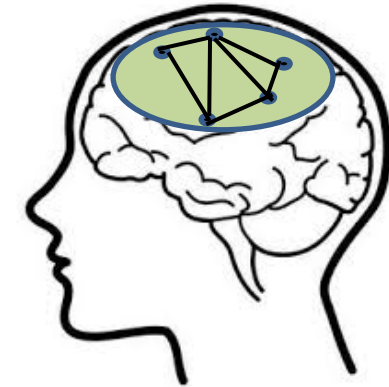
Program Manager



Production, Quality
& Manufacturing



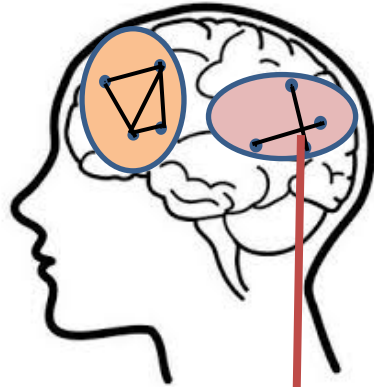
Business & Financial Manager



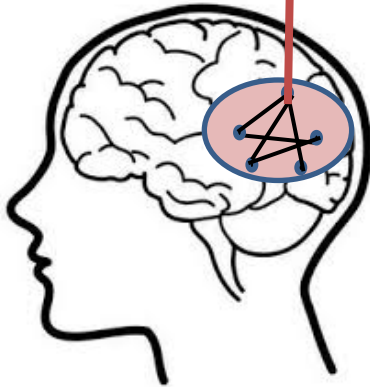
Engineering

MORE REAL LIFE INTEGRATED PRODUCT TEAM

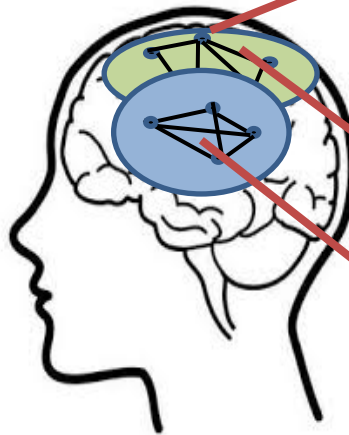
Getting Ahead
Through
Connections



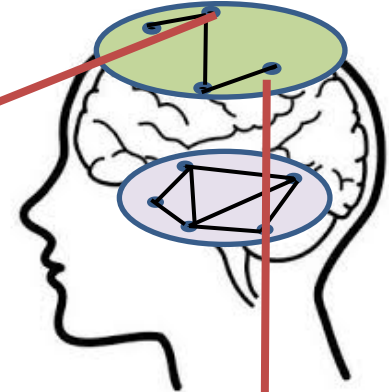
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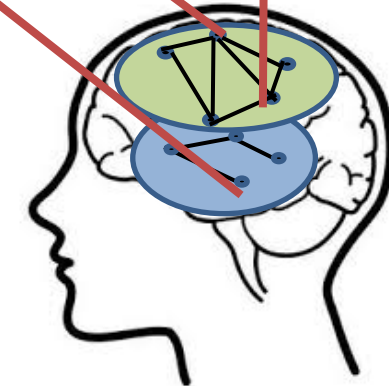
Business & Financial Manager



Program Manager



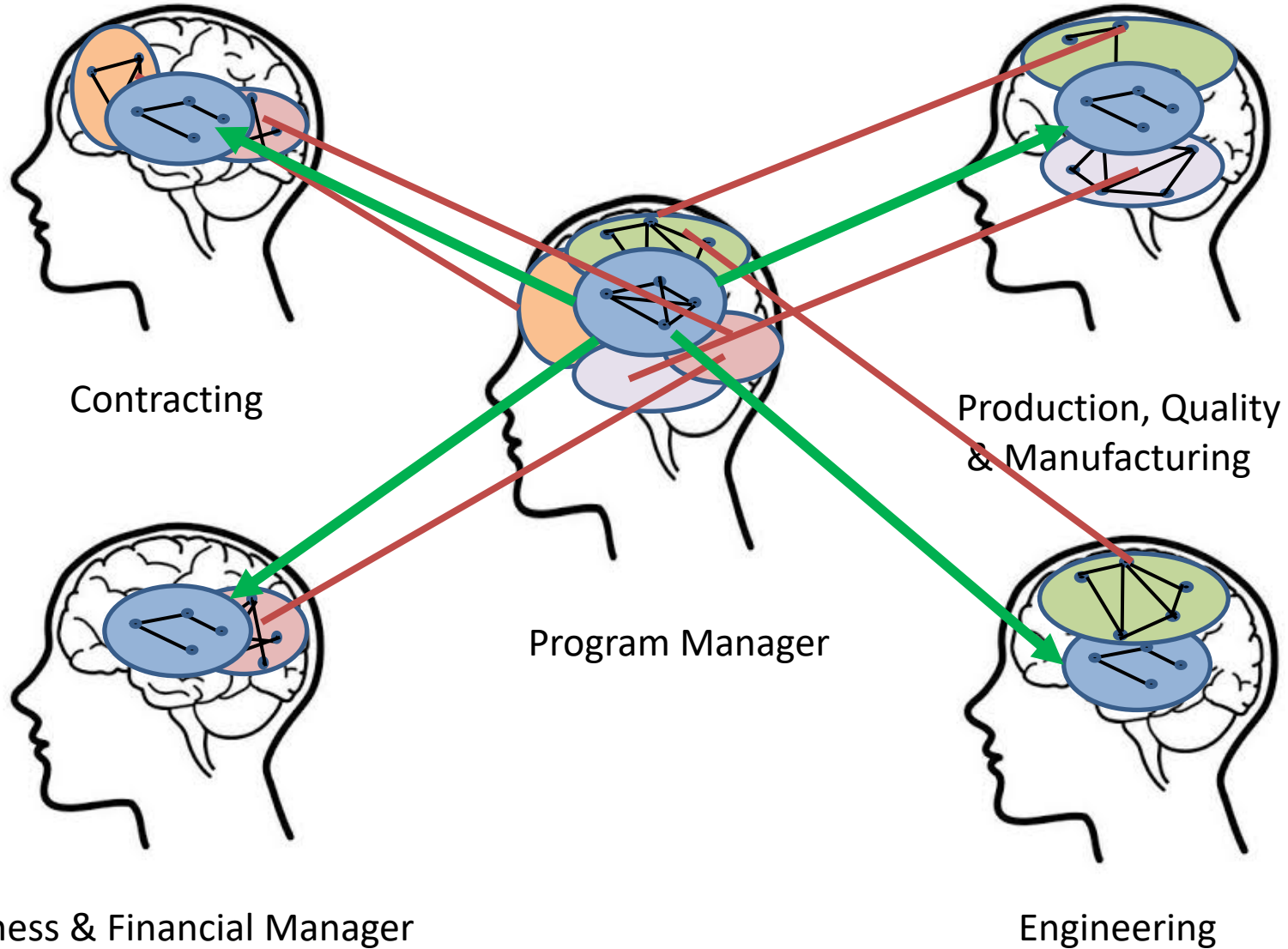
Production, Quality
& Manufacturing



Engineering

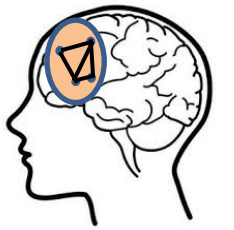
INTEGRATED PRODUCT TEAM

Leadership Challenge

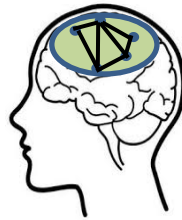




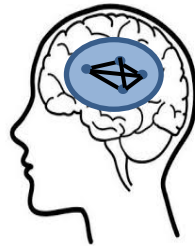
Integration of Knowledge



Contracting



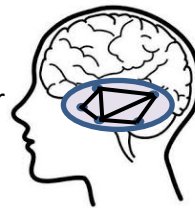
Engineering



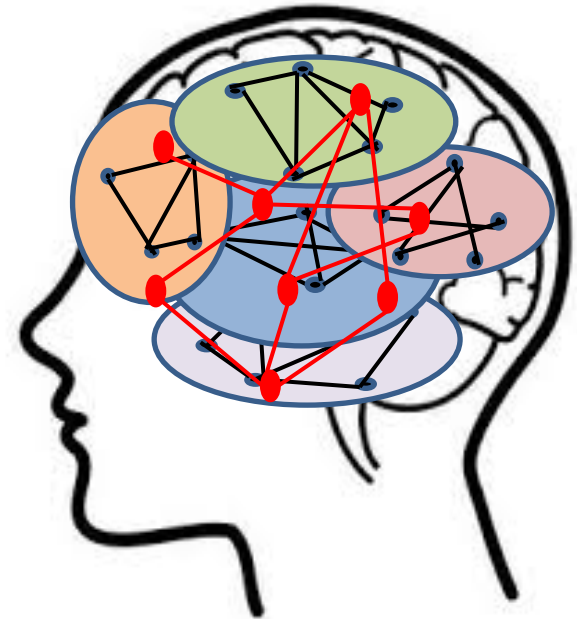
Program Manager



Business & Financial
Manager



Production, Quality
& Manufacturing

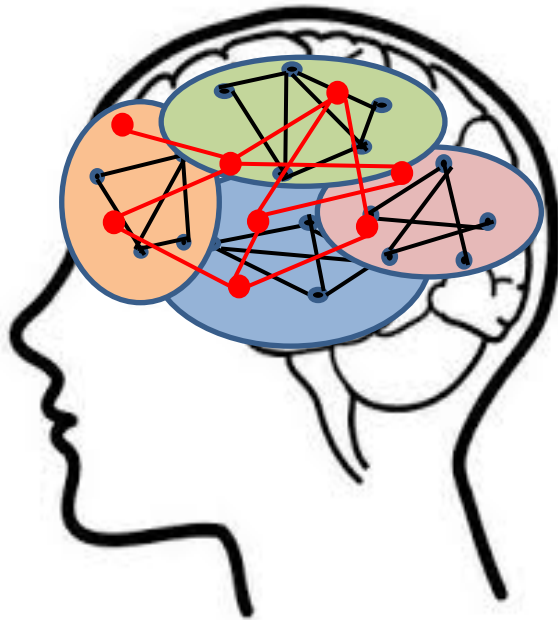


All of the information must be internalized in order to support new ideas or concepts; This is usually done by the individual not by the team



The Most Successful Integrated Product Team Lead

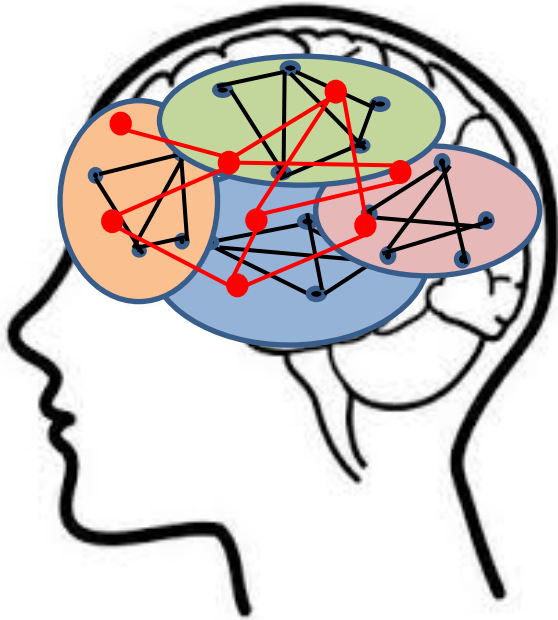
Polymath (pälē, maTH)



- Specialist
- Generalist
- Desire to Keep Learning
- Expanding Experiences
- Creating Detailed Connections That Were Not There Before



The Most Successful Integrated Product Team Lead



Polymath (pälē,maTH)

A polymath is a person whose expertise spans a significant number of different subject areas—such a person is known to draw on complex bodies of knowledge to solve specific problems. [Wikipedia](#)

Requires the development of both depth and breadth in multiple disciplines to achieve exceptional performance



QUESTIONS

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