

# International Council on Systems Engineering (INCOSE)

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**San Diego Chapter**  
[sdincose.org](http://sdincose.org)

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29 April 2020 Presentation:

***Treating an Organization as a System***

David Chadron, PhD



# What is INCOSE?

- The largest Systems Engineering professional society in the world, with approximately 17 000 members.
- Created to promote systems engineering principles and practices. Connects SE professionals, to develop a global community of systems engineers and approaches.
- A not-for-profit membership organization.
- 74 chapters
- 35 countries
- 55 working groups
- See more at [www.incose.org](http://www.incose.org).



# Upcoming Events

- 27 May 2020 – **Human Systems Integration: Definitions, Evolutions, and Applications**. This free virtual, online-only presentation explores the user-centered side of Systems Engineering, from both a Department of Defense (Systems Acquisition) and an INCOSE perspective. **RSVP forthcoming**, please check [sdincose.org](http://sdincose.org).
- 17 June 2020 – **Systems Engineering Culture at Amazon Web Services (AWS)**. This free presentation shows how AWS Tenants and Leadership Principles can be applied to your organization! **This meeting's date is tentative and in-person only (not online)**. RSVP at [sdincose.org](http://sdincose.org).
- June 2020 – **Tutorial on DevOps**. This virtual, online-only 4-hour tutorial will present practices and tools of the DevOps process, which combines software development (Dev) and information-technology operations (Ops). **Exact date and RSVP forthcoming**, please check [sdincose.org](http://sdincose.org).



# Upcoming Events, Cont'd

- 20-22 July 2020 – **30<sup>th</sup> Annual INCOSE International Symposium (Virtual)**. This is INCOSE's yearly international symposium, to be held virtually this year in July. Please visit [incose.org](http://incose.org) for more details.
- 17-19 Sept 2020 – **2020 INCOSE Western States Regional Conference**. This three-day systems engineering conference will be held in Seattle, Washington. **This conference is currently projected to be live/in-person.** Please check [incose.org/wsrc/wsrc2020/home](http://incose.org/wsrc/wsrc2020/home) for more details.



# Other Information

- Do you need proof of attendance of this presentation? Please email us at [info@sdincose.org](mailto:info@sdincose.org).
- Sign up for future event notifications at the [sdincose.org](http://sdincose.org) home page! Enter your information under “Stay in Touch”.
- Tonight’s presentation (slides and video) will soon be added to the above website.

**THANK YOU!**

# Treating the Organization as a System

**David Chaudron, PhD**

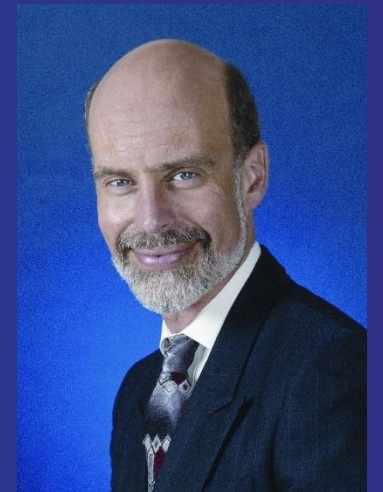
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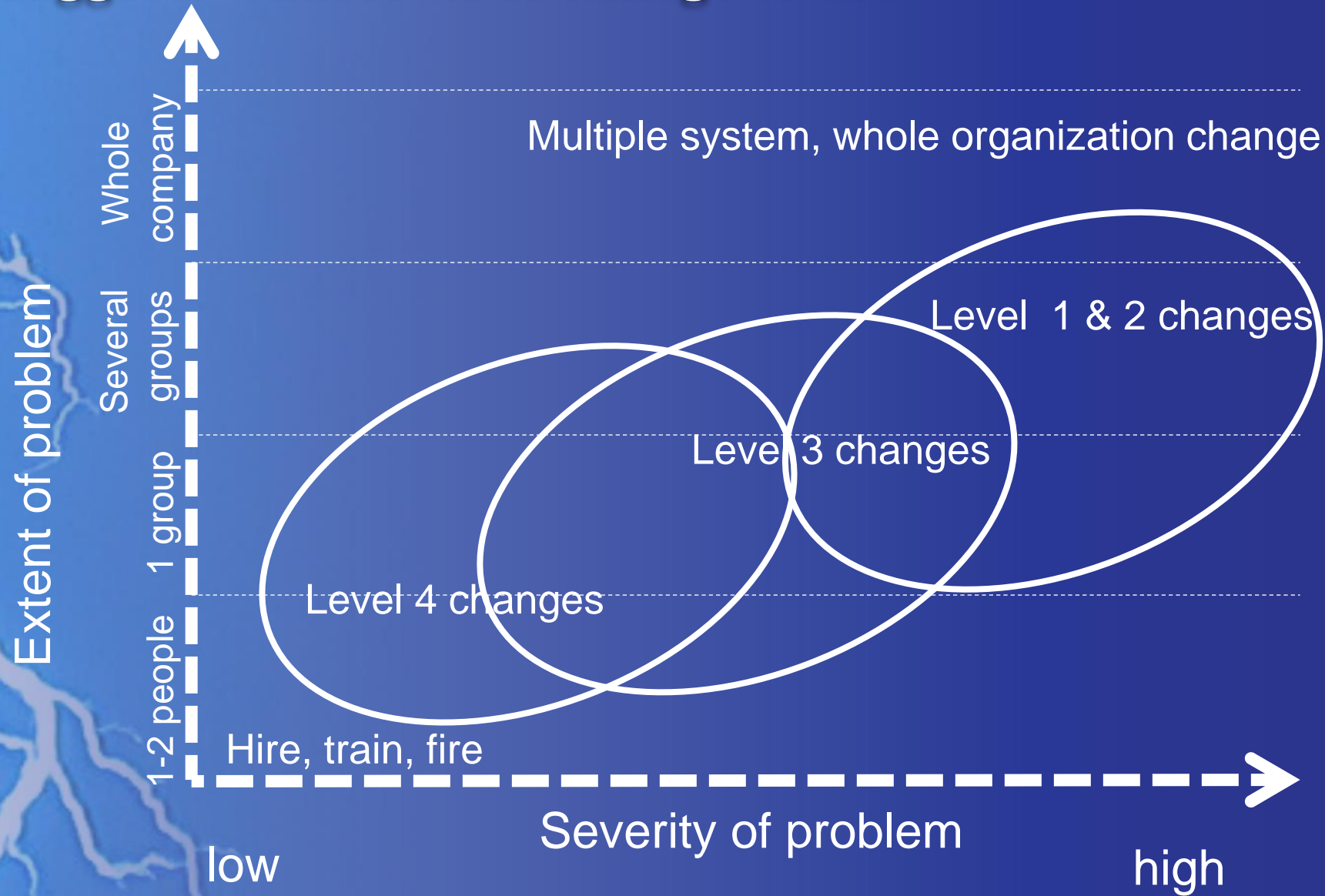
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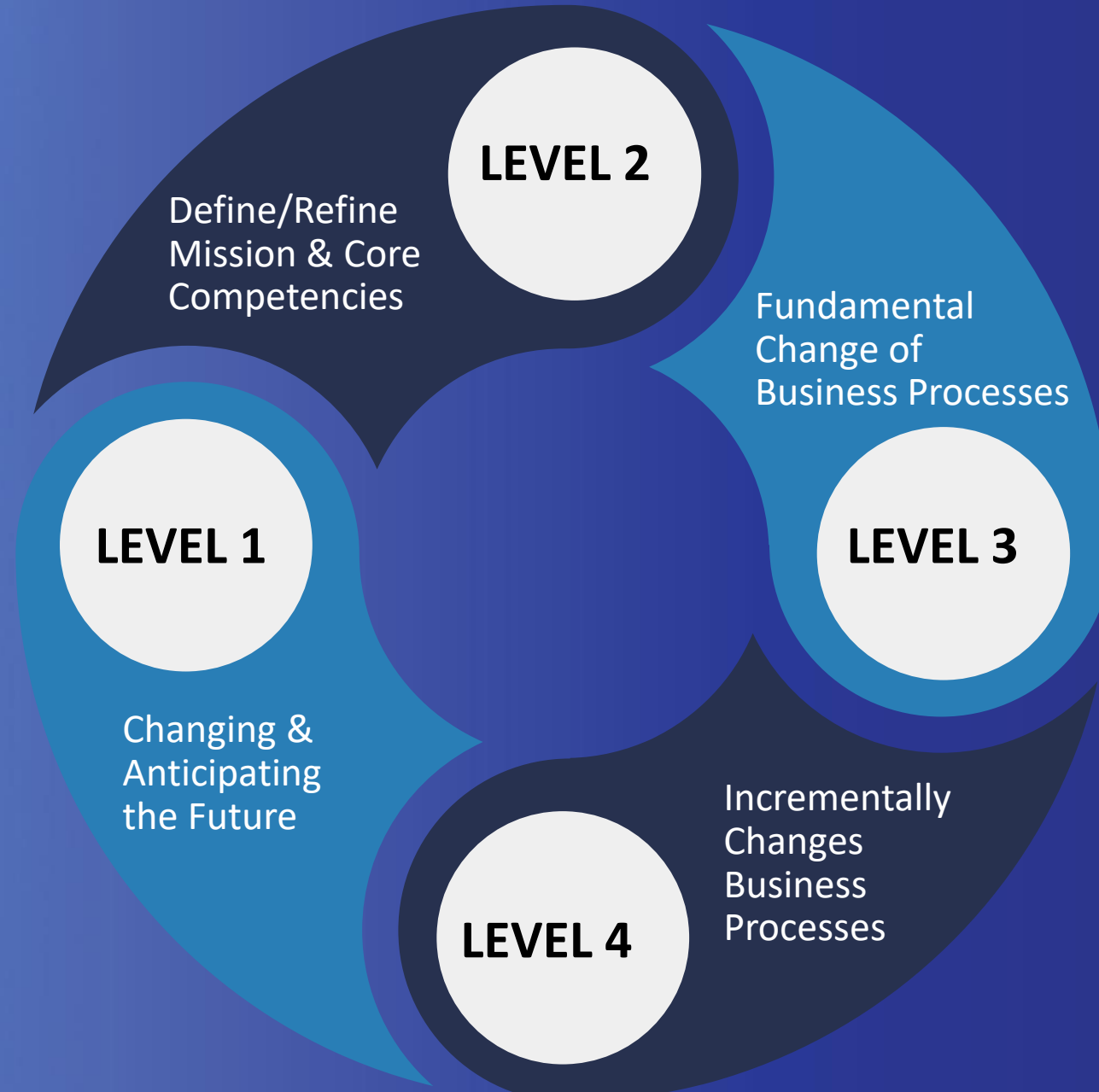




# How severe and how widespread problems are suggests what level of change to use



# THE SCOPE OF CHANGE (THE “LEVELS” QUESTION)





# Use the Equation for Success™



- Success = Measurement X Technique X Alignment X Control X Focused Persistence X Consensus

# Alignment

The greater alignment between



The greater chance of success

# All elements must be present



- These elements can compensate for each other somewhat, but all must exist for success to happen