

# What's New in Tecplot Chorus DE

This Webinar will begin at 9:00 am Pacific Time.

You will be connected to audio using your computer's microphone and speakers (VoIP). A headset is recommended.

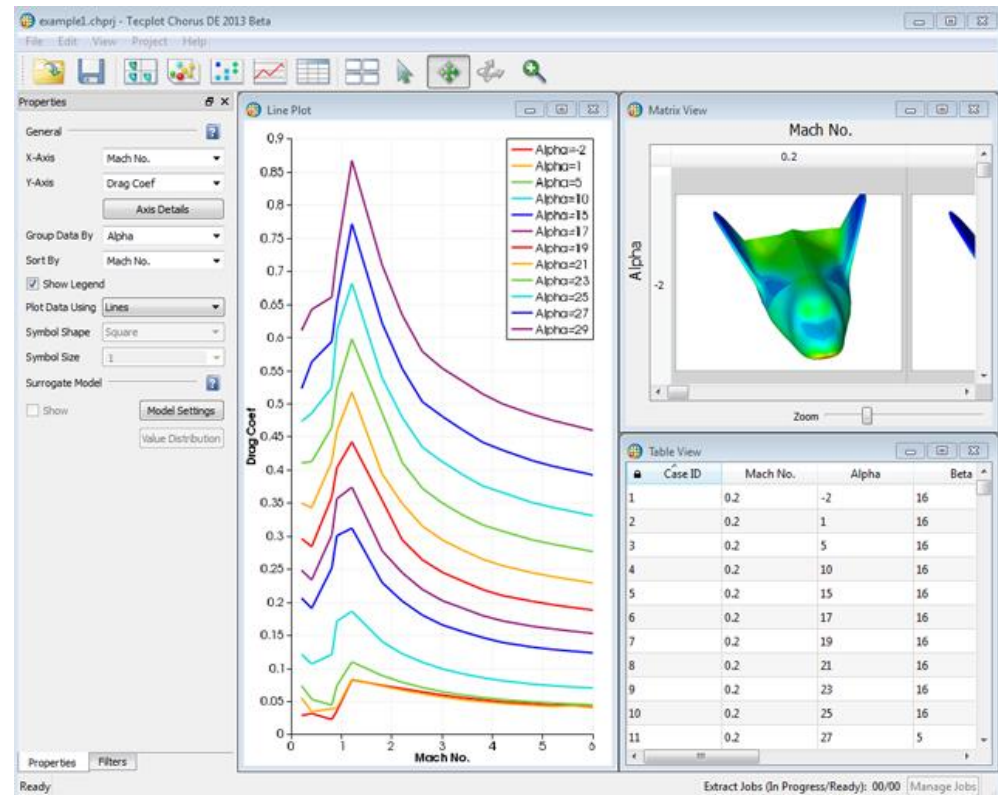
System Requirements

PC-based attendees

Required: Windows® 7, Vista, XP or 2003 Server

Macintosh®-based attendees

Required: Mac OS® X 10.5 or newer



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# What's New in Tecplot Chorus DE

Dr. Durrell Rittenberg and  
Dr. Scott Imlay

# Webinar Agenda

- Tecplot Product Suite
- Review Simulation Analytics
- Case Studies:
  - Create a project from existing results
  - Reduce the time to open and save Tecplot Chorus project and session files with our new file format
  - Model system performance using advanced surrogate models
  - Manage assets created in projects
  - Group and analyze results from project data

# Tecplot Chorus™

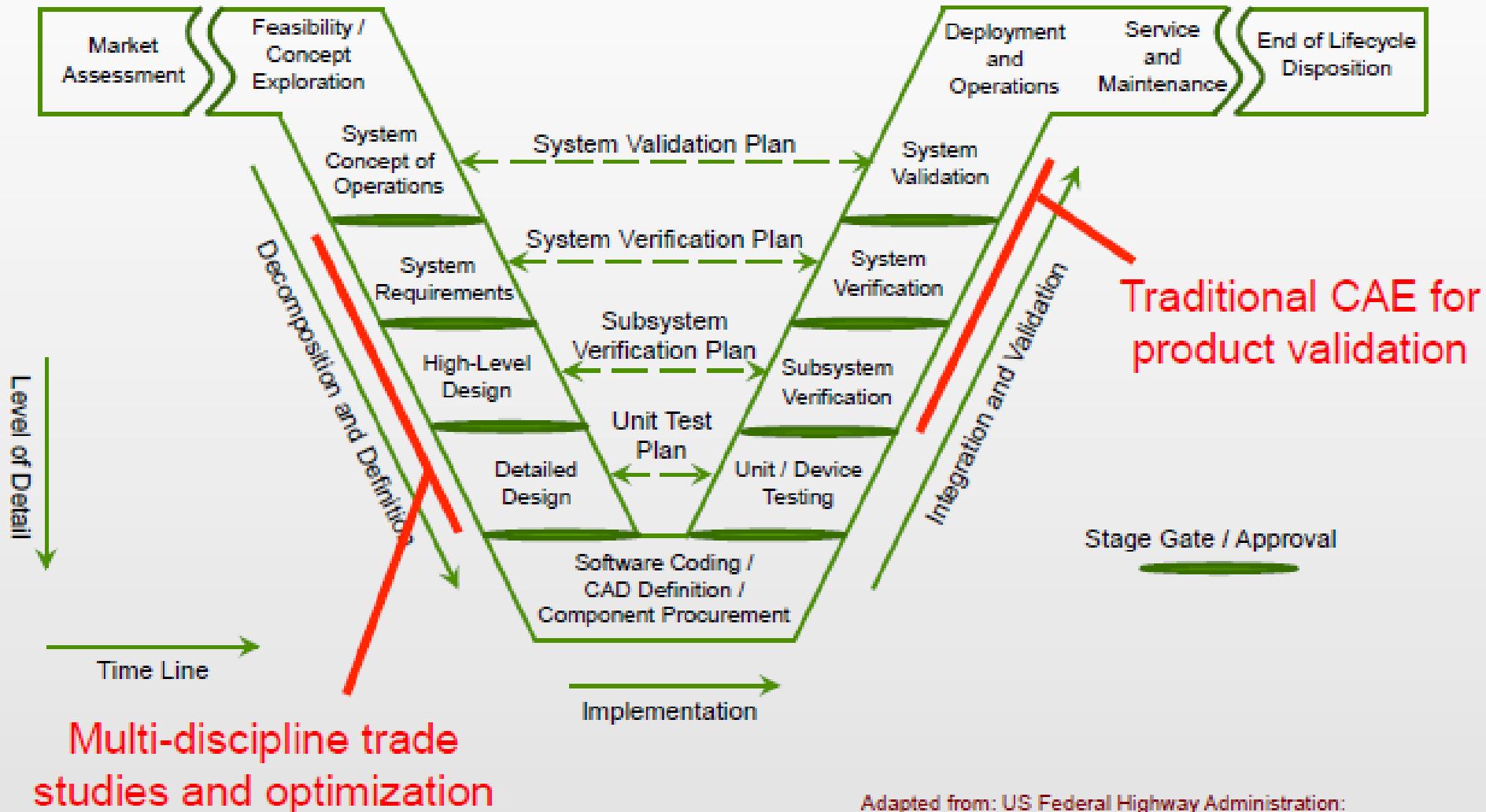
Evaluate system performance  
communicate your design  
make better decisions.



turbocharge  
your results  
and master the  
possibilities

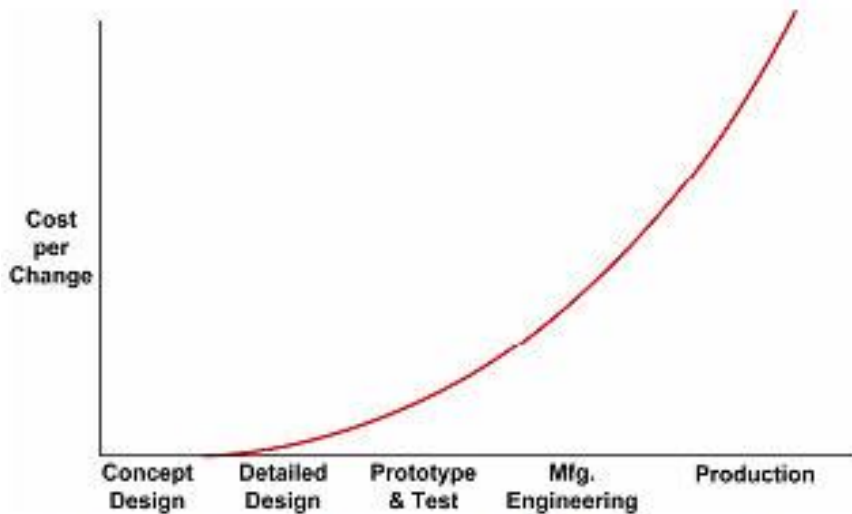


# Modern Product Design Process



Adapted from: US Federal Highway Administration:

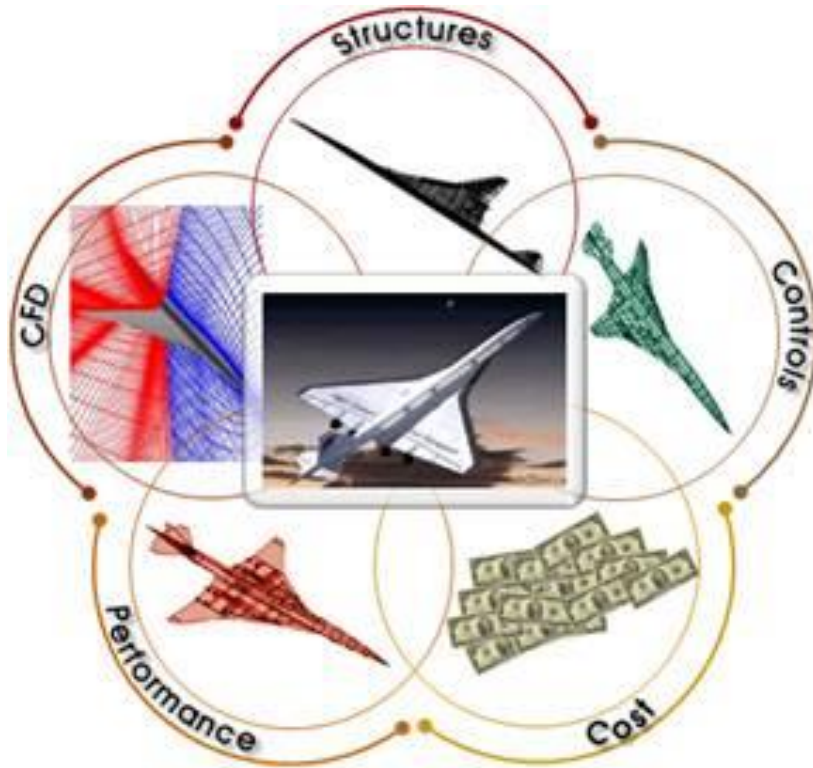
# Design Chain Issues



**Figure 1—Cost of Changes Increases Dramatically Throughout the Product Definition Lifecycle**

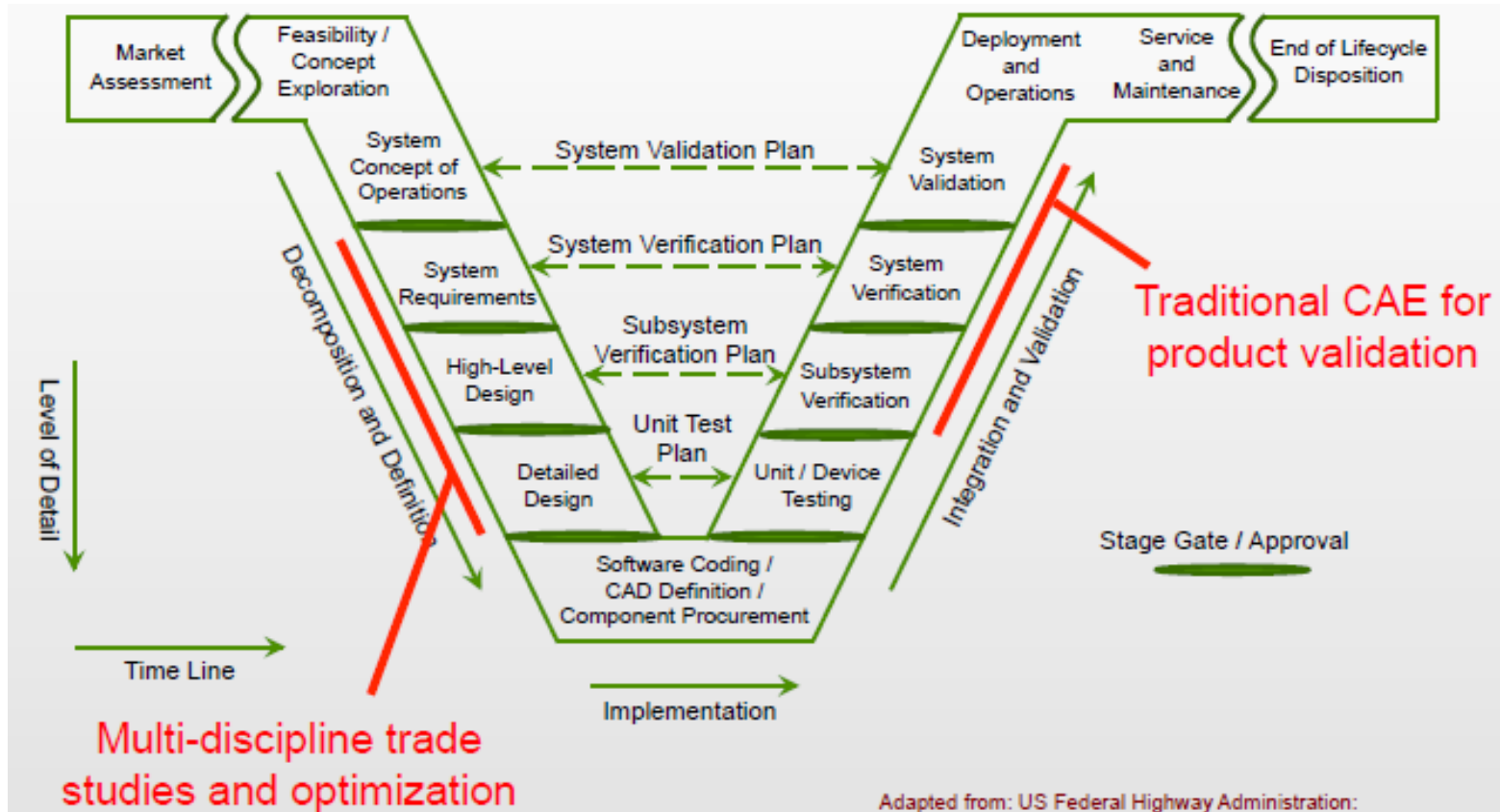
- Evaluate Multiple design candidates early in the process
- Increase confidence in concept design phase
- Avoid changes late in Product Lifecycle

# Multidisciplinary Design Optimization

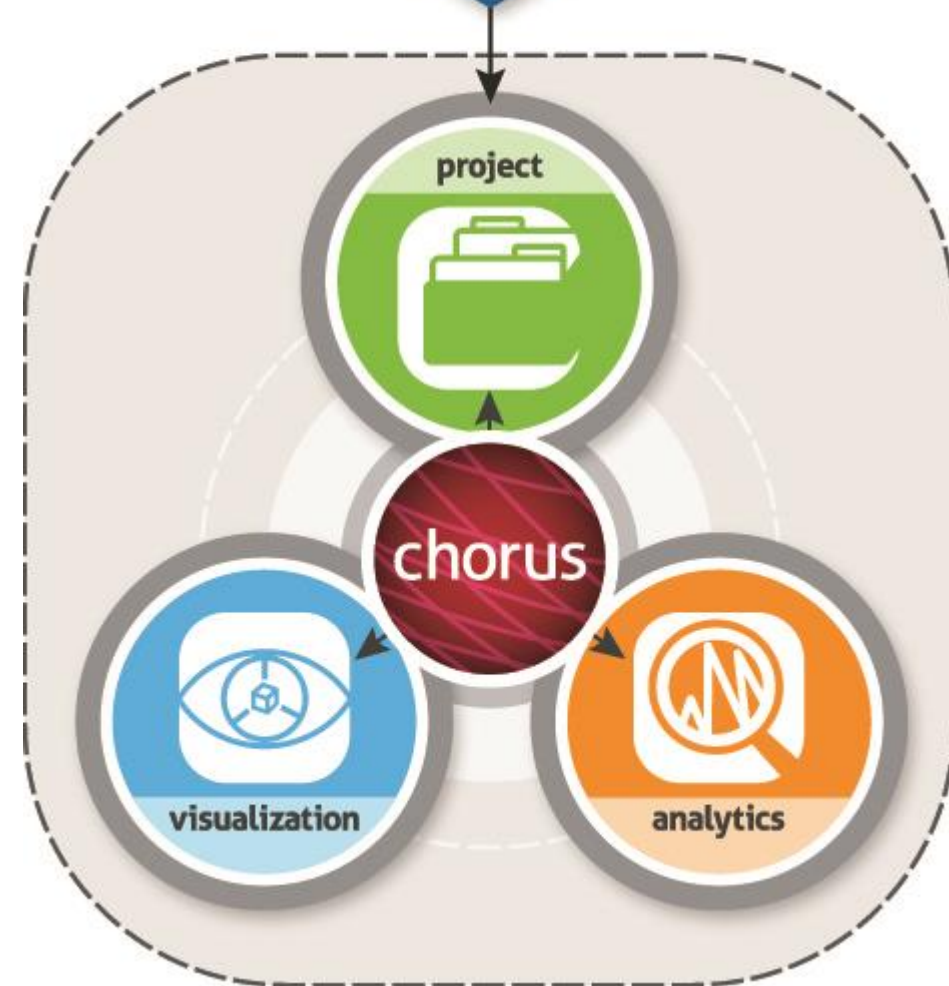
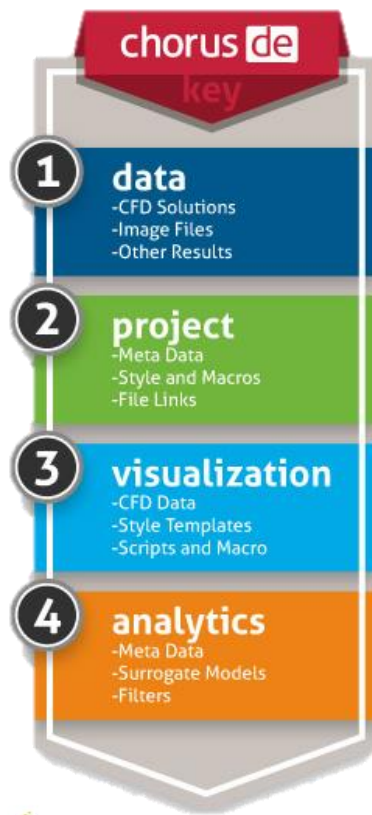


Highly dimensional optimizations with several objective functions

# Tecplot Chorus Can Bridge The V

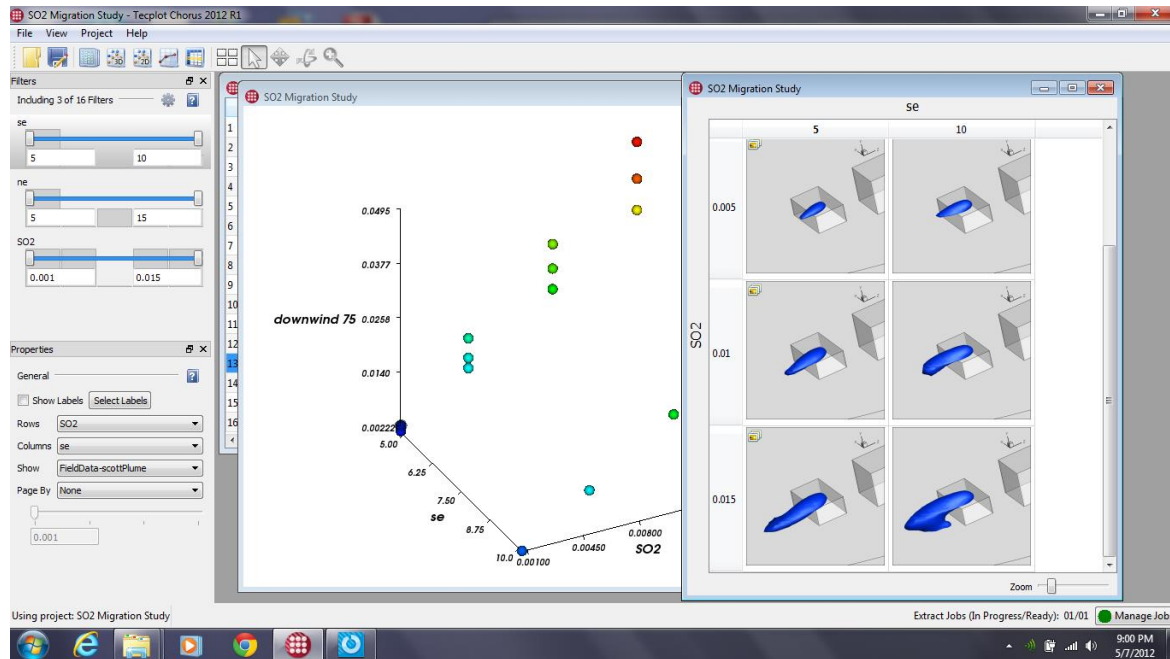


“Simulation Analytics” is the union of visualization, data management, statistics, and data mining to sets of CFD solutions



# Design Space Exploration

- Multiple views
  - Scatter plots
  - Image arrays
  - Table views
  - XY plots
- Exploration of parameter space
  - Filters
  - Surrogate models
  - Aggregation (box plots)



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