



# fulvisol

LET'S SORT IT OUT

FinnFusion Annual Seminar 2024

# Aras PLM for fusion applications: From Excel/Word chaos to Digital Thread

Petri Surakka

---

29.05.2024

# AGENDA

- Digital Thread?
- Demo

# OUR HISTORY



**Petri Surakka**

Managing Director, Partner



*"I am good in understanding difficult systems and processes with over 20 years of PLM experience"*

- Company was founded 2011 by these fellows
- Everything Cloud-based from day one
- Our work can be done anywhere
- Best in brand software solutions

- Target: Be the best in Aras PLM
- Aras Gold Partner in Nordics
- Innovative solutions with Aras to all the businesses
- Office at Malmi, Helsinki
- 10 very good and experienced employees



**Pyry-Pekka Karisalmi**

Senior Aras Developer, Partner



*"I have been building these 20 years. Give me an impossible thing and let's see..."*

*500+ Happy subscribers*

*Big and small businesses*

*10 employees*

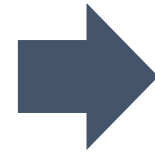
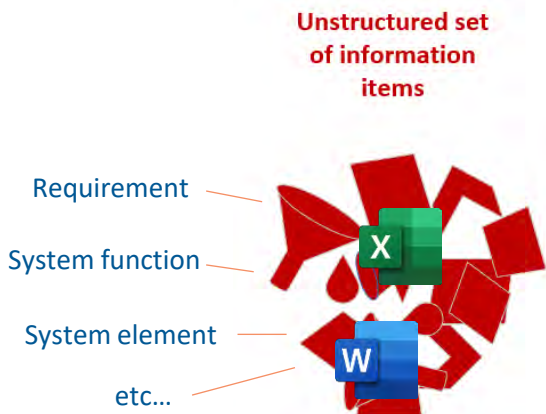
*Customers from several business areas*

*7 countries*

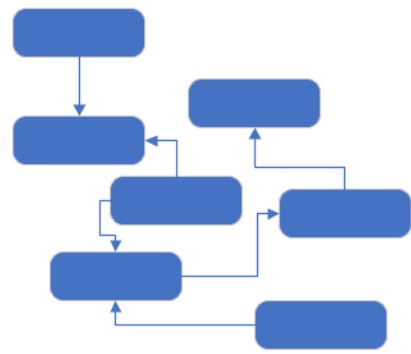
# Digital Thread?



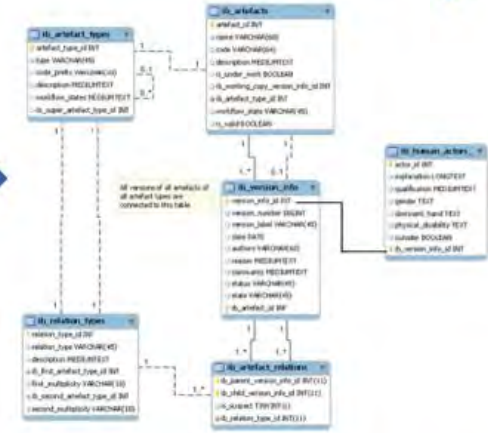
# FROM DOCUMENT-CENTRIC DATA STORAGE TO A STRUCTURED DATA STORAGE VIA AN ONTOLOGY



Ontology of Systems Engineering data

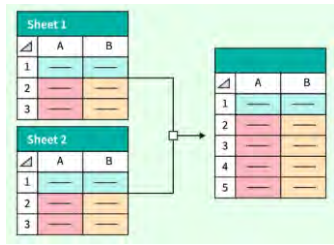


Model of the engineering data repository (e.g. database diagram\*)



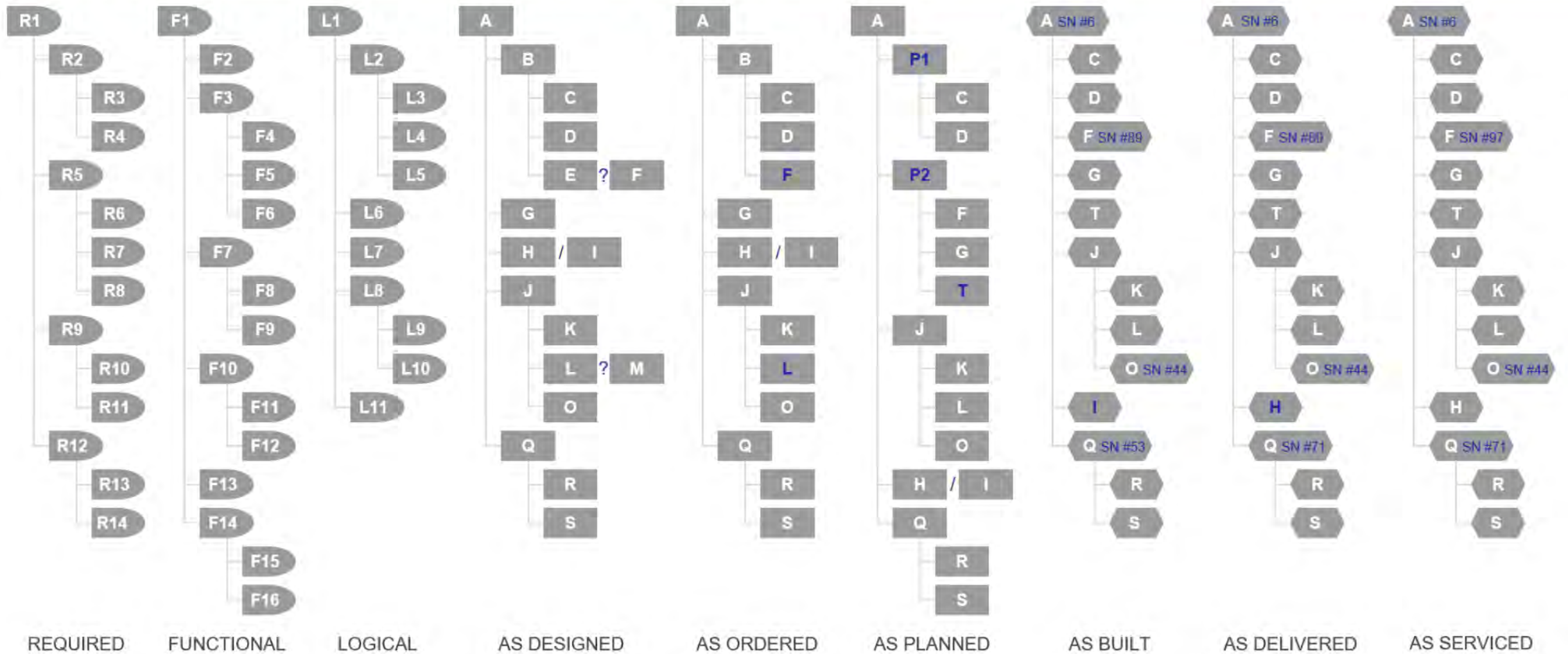
Data repository implementation (Aras Innovator PLM)

How to structure the elements?

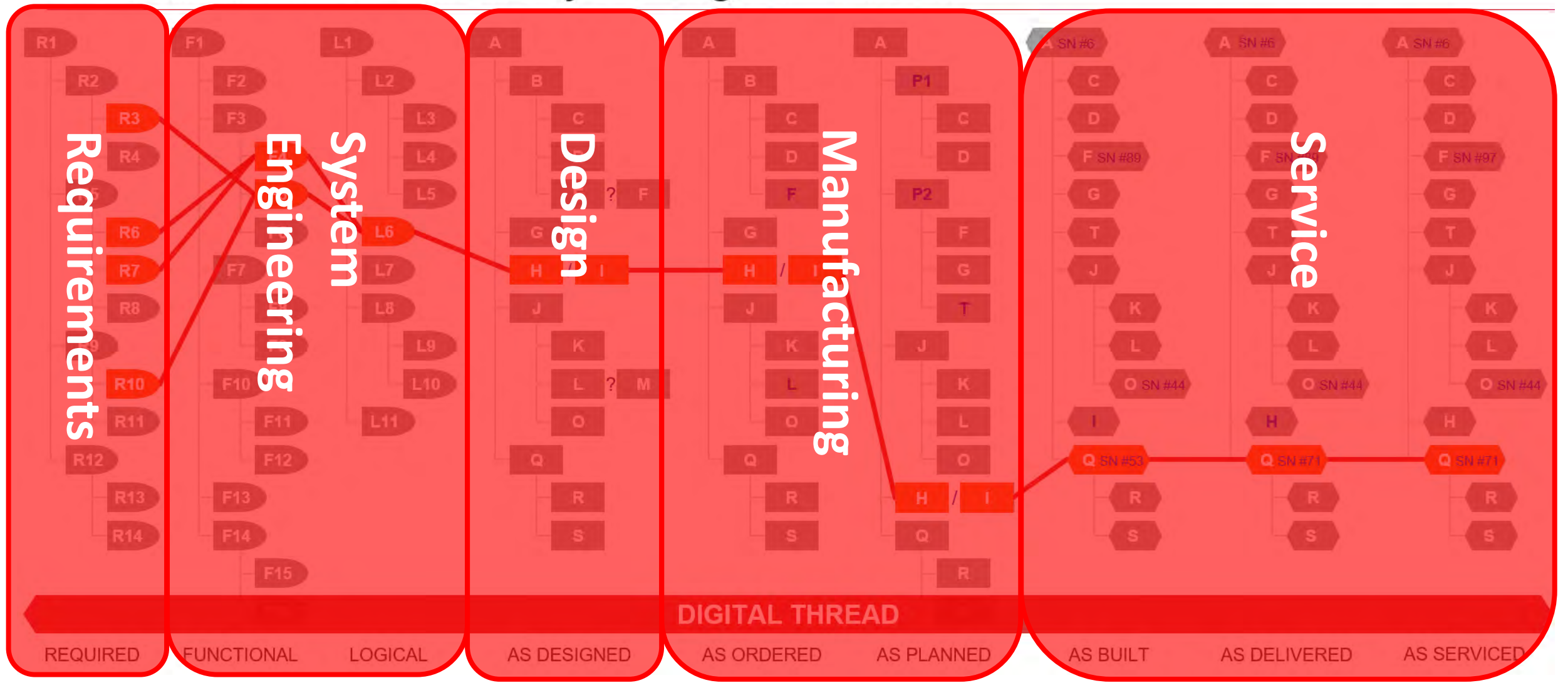


\*Figure from: Engineering Data Model for Machine Automation Systems  
 Alanen, J., Vidberg, I., Nikula, H., Papakonstantinou, N., Pirttioja, T. & Sierla, S., 2011,  
 Espoo: VTT Technical Research Centre of Finland. 137 p. (VTT Tiedotteita - Research  
 Notes; No. 2583).

# Benefit from a Full Lifecycle Digital Thread



# Benefit from a Full Lifecycle Digital Thread



Demo

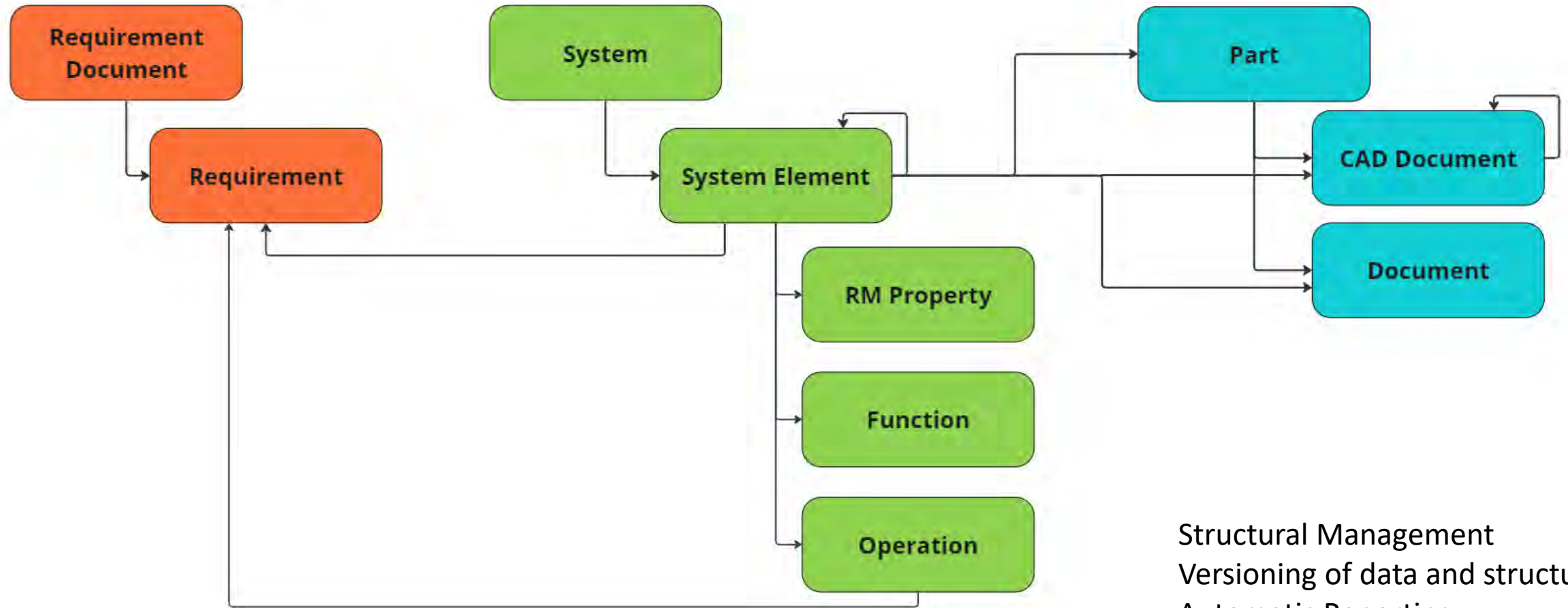


# CURRENTLY IN USE

Requirement Engineering

System Engineering

Design



Structural Management  
Versioning of data and structures  
Automatic Reporting

# Bringing clarity out of chaos together



Petri Surakka



+358-400 282624



[petri.surakka@fulvisol.com](mailto:petri.surakka@fulvisol.com)



[www.fulvisol.com](http://www.fulvisol.com)



Turkhaudantie 5, 00700 Helsinki, Finland

