

PhD in Chemistry and degree in Economics
 26 years of experience in international team development in product and process development
 Fields of work: Service and manufacturing companies, creating electronic components, automotive and special machinery.
 Main focus: Team development, Project leadership for technical high integrated products;

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SYSMANO @ Degree in Economics



Without Creativity you will not find new solutions...

New solutions are making the difference in the market

## How are we managing "becoming creative?"



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## **Gestalt Theory**

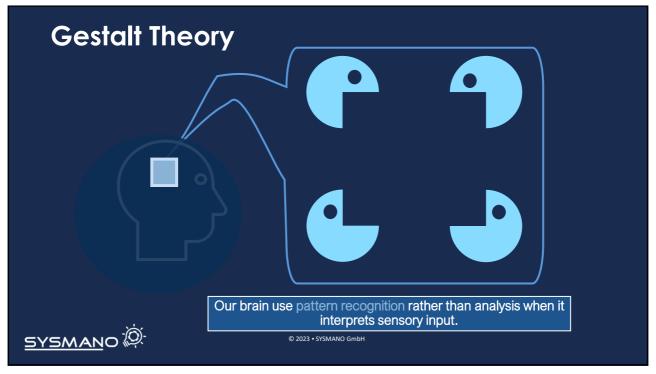
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Our brain use pattern recognition rather than analysis when it interprets sensory input.



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# Exercise Design teams SYSMANO © C 2023 - SYISMANO GMIDH

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## Creating checklists and development handbooks

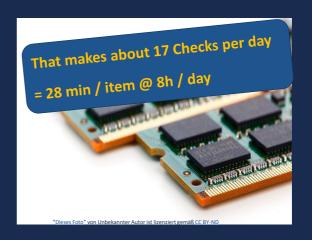


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## The Checklist & Handbook Disaster

- I was responsible to develop the 110nm technology predevelopment for a memory device
- My Checklist for M1 (Project Initiation) for the lead product had 1204 individual line items to be checked
- M1 complete was precondition for M2
- The scheduled time for M0 M1 was 4 month (with the easter break) (= 74 WD)



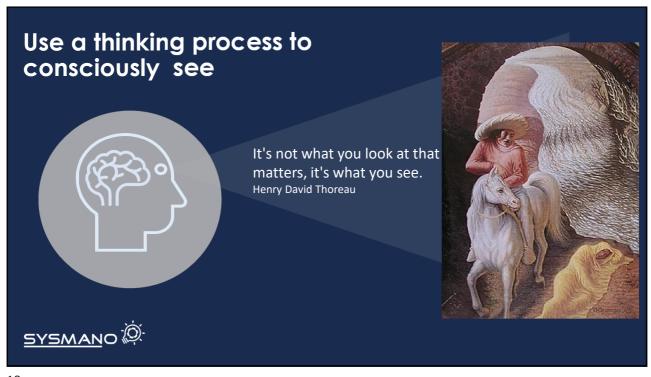


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## Checklists are always created in the past

"If the only tool you have is a hammer, it is tempting to treat everything as if it were a nail"

Abraham Maslow (1966)





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OK, Thank you Mr. Claussen...

... so, but now what IS solving the issue?





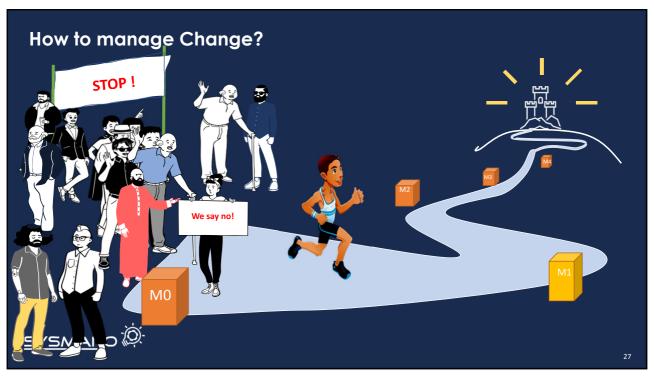












When the leadership does not transmit goal of the Project consistent and conclusive....

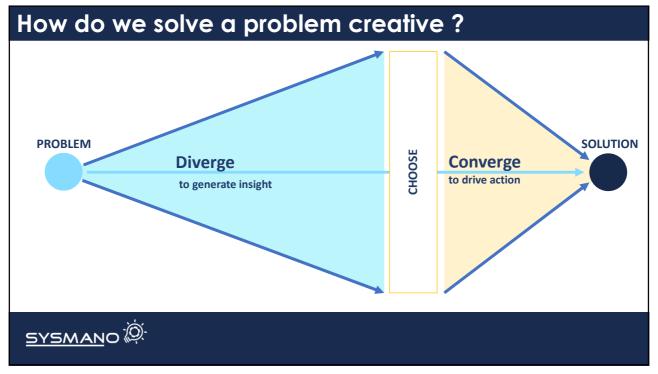
.... structure and process fidelity morph into well-organized organizational cowardice and lac of commitment



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## leading How are we managing those who "became creative"?

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## What is convergent and divergent thinking?



### **Convergent thinking**

Purposeful thinking that assumes a problem has a (probable) cause. The focus is on pragmatic solutions derived by logical sequences.

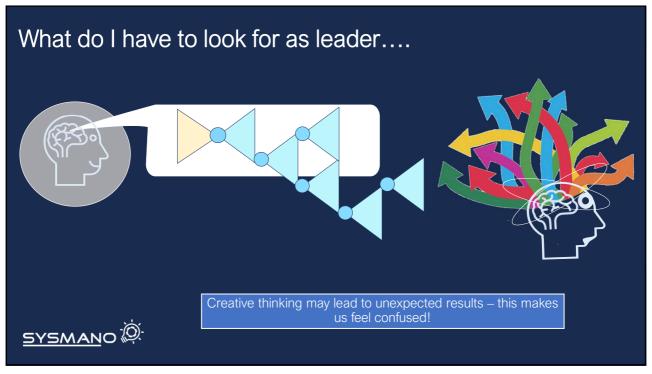


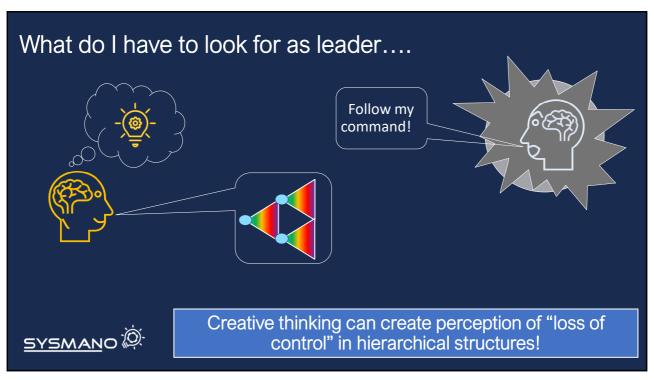
### **Divergent thinking**

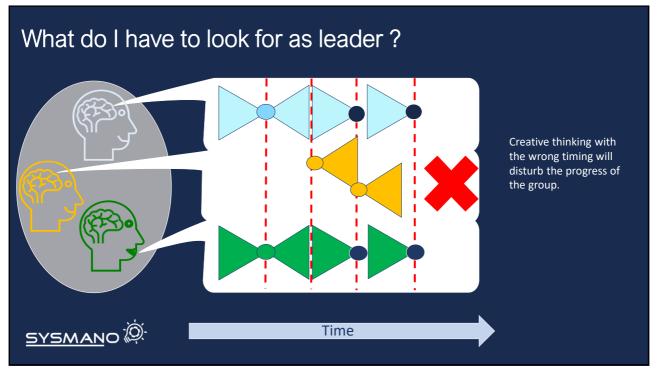
Starts from an initial point **generating new ideas**. The focus is on constructing new solutions to a problem **without applying traditional patterns**.

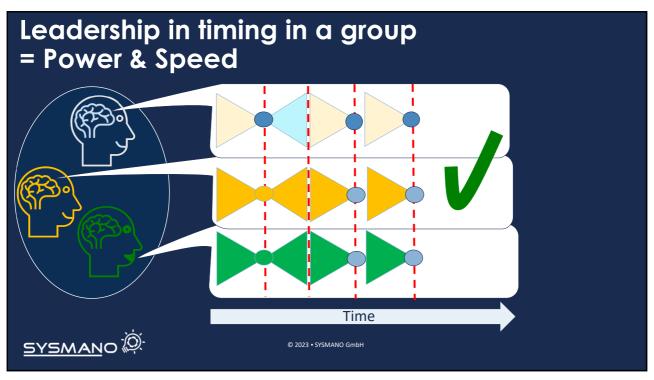


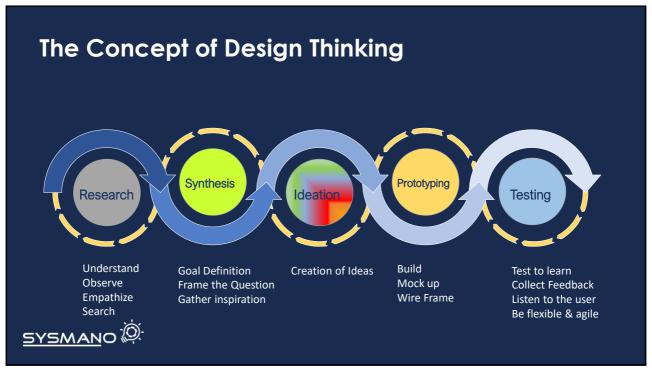
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## Summary

- In the fast-changing environment of new products the initiation phase of the project is key to success
- Checklists & handbooks are looking into the past
- Set up the project and system structure up as flexible as possible
- Embrace the creativity of your Co-Workers by planning for change
- Enable fast communication to ensure adherence to the goal
- Create a heartbeat of change
- Test, intervene and communicate early!



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