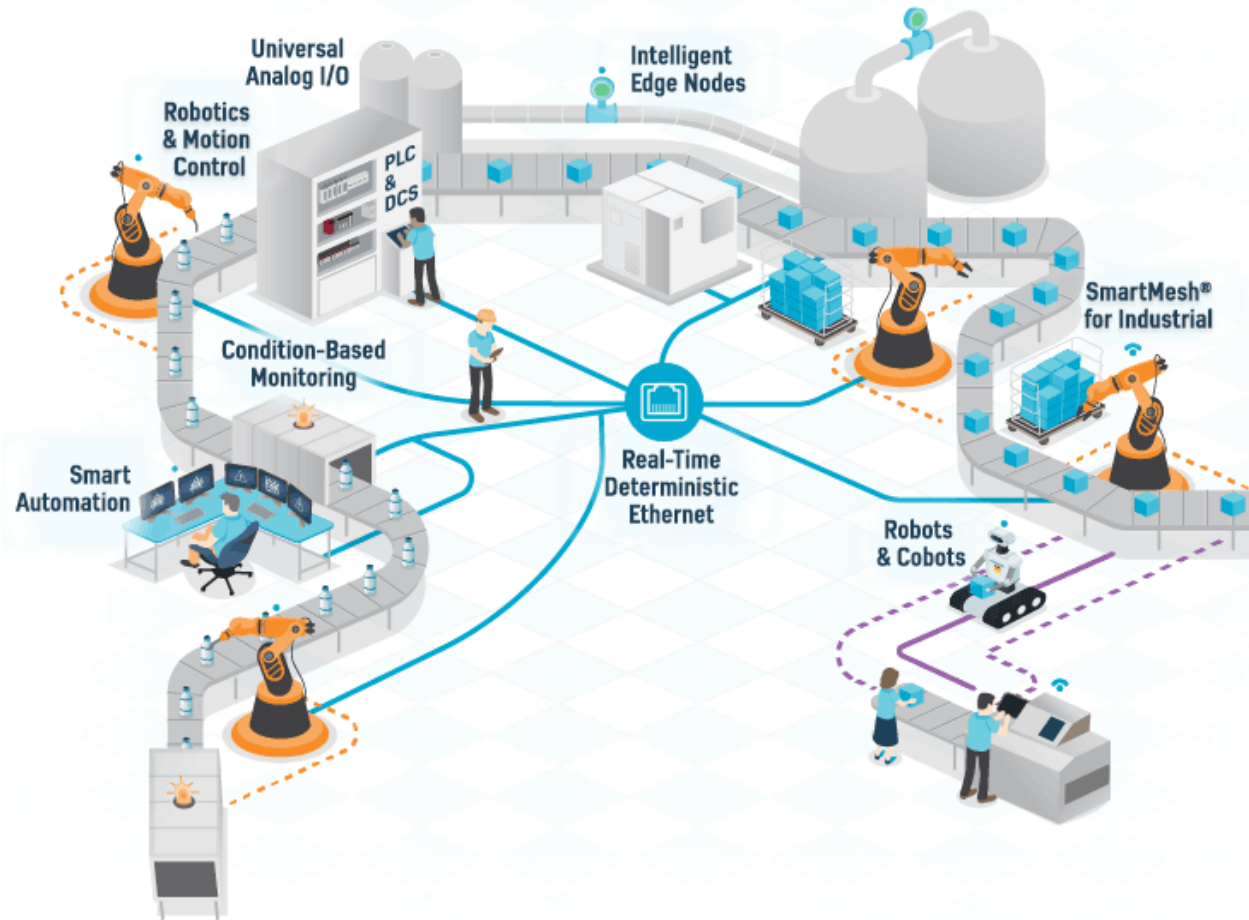



i4

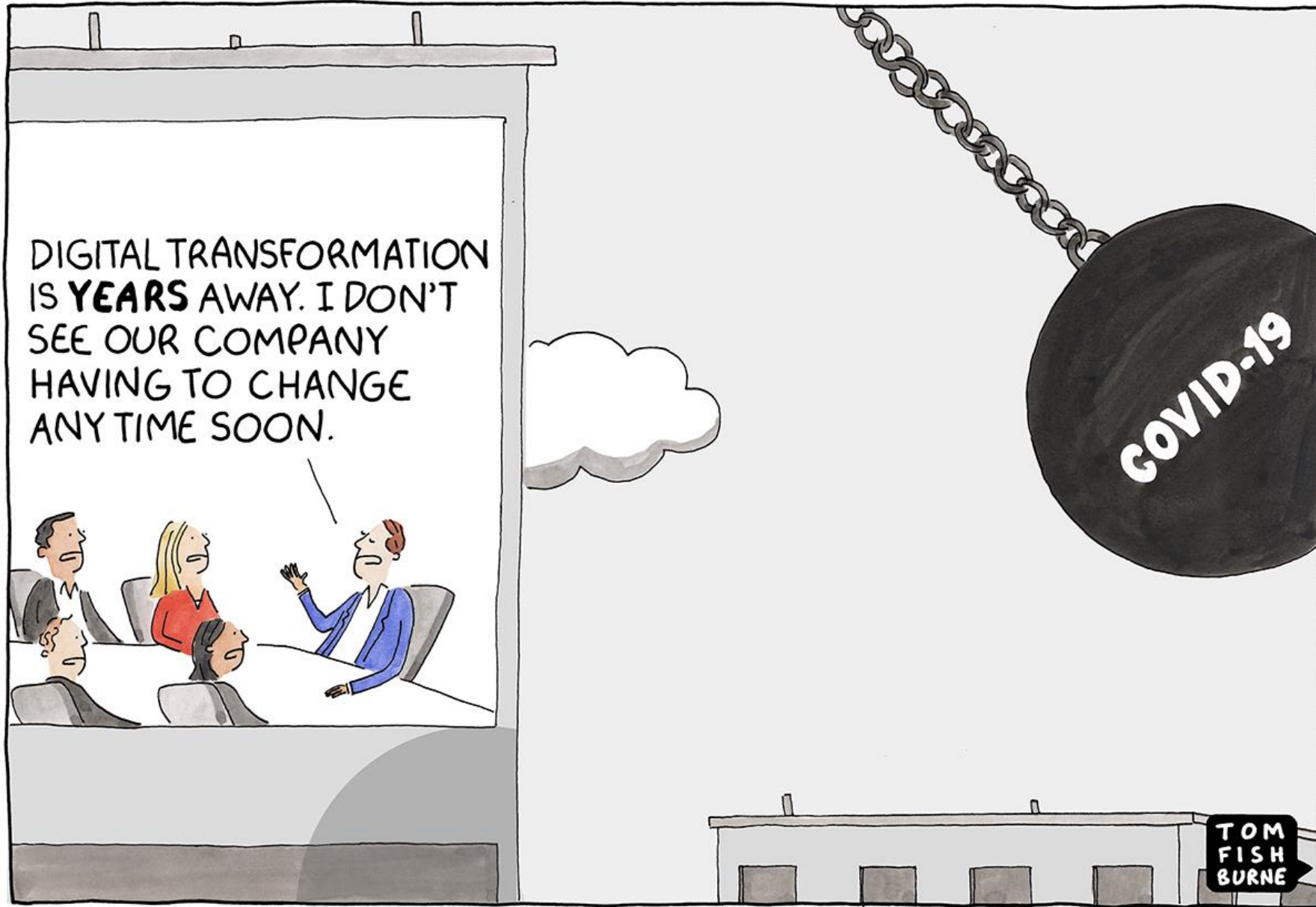


Industry 4.0 / Smart Manufacturing / Advanced Manufacturing

Jameel Istaitih 
Head of industry 4.0
Strauss Group

June 2, 2020





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ARE WE ALL ALIGNED
THAT OUR TOP PRIORITY IS
DIGITAL TRANSFORMATION?

OF COURSE ABSOLUTELY 100%



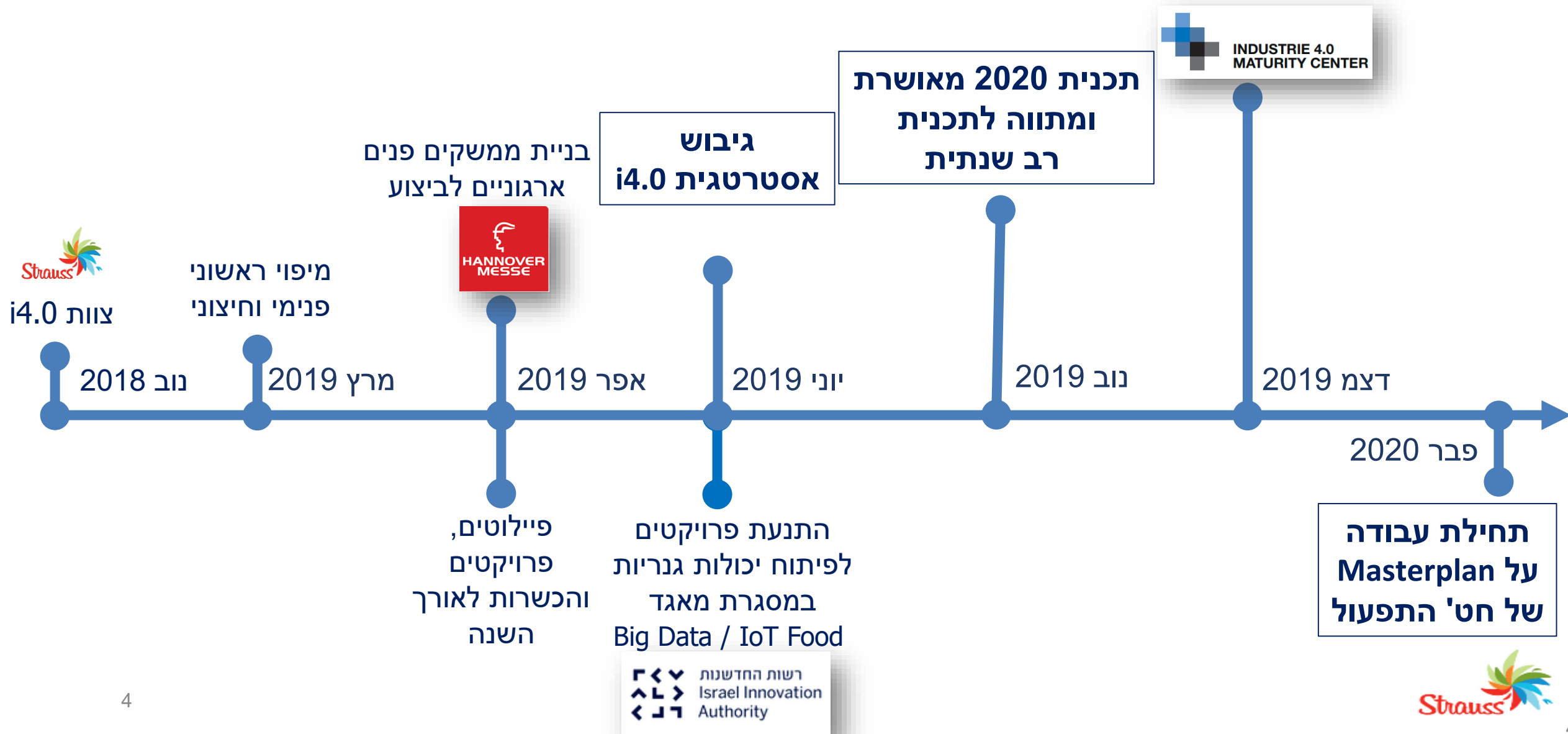
SO WHAT EXACTLY
DO WE MEAN BY
DIGITAL TRANSFORMATION?

SORRY, I'M LATE
FOR ANOTHER
MEETING.



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יצור מתקדם - התהליך המרכזי בגדול



מיקודים נבחרים

Mapping & Assessing

Internal & External



Smart Technical Investments

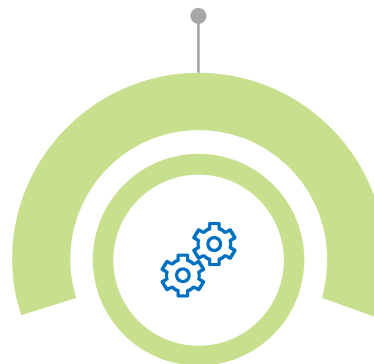
New equipment procurement definition document.

Accompany assimilation processes according to i4.0 perception



Projects

Running and supporting projects in the various business units



Learning & Training

Newsletter, Webinars, e-learning, courses, external programs (Tech Factory)



PoCs

Testing and evaluating emerging technologies and services



Smart Generic Infrastructure

Creating generic solution kits that can be duplicated and embedded in various lines and sites

התבוננות על המסע בתום השנה הראשונה

Outcomes

PoCs spread over the plants like **“Islands of i4.0”**

→ It generated awareness but did not unfold the operative potential

Failed projects, that were too ambitious running after **buzz words**

→ The company is not ready in terms of the basic infrastructure and data quality

Too many projects in the portfolio. Too less resources are assigned

→ Time and budget are limited and so the outcome

Organization and culture not ready for the transformation, mainly focusing on the technical parts of the transformation

→ New technologies and IT solutions are not accepted; the benefit is not realized

What needs to be done

Restore Industry 4.0 holistic approach by source
(We missed out the core idea of industry 4.0: Automated information flows that drive agility!)

The current **digital status-quo** needs to be evaluated to see which projects are realistic at the moment and which need to be postponed.

Dependencies between projects need to be identified and projects need to be **prioritized in a holistic roadmap**; the progress and lessons learned need to be monitored centrally.

The transformation process needs to be structured along technical maturity levels, but at the same time taking **organizational and cultural requirements** into account.

Integrated and automated information flows need to be focused, not further isolated system.

Skills gaps needs to be reduced – **Upskill program**

שחרנו מאיפה זה התחיל



acatech - German Academy of Science and Engineering



2011:
Concept of Industrie 4.0 was presented at the Hannover fair

2016:
Start of the project: How to measure Status-quo of producing companies and derive a roadmap at the Hannover fair by a consortium

2020:
New version of the acatech study "Industrie 4.0 Maturity Index" on April 22nd



2013:
Presentation of the acatech positioning paper: implementation recommendations for the future project industry 4.0 at the Hannover fair



2017
Presentation of the acatech study: Managing the digital transformation at the Hannover fair

INDUSTRIE 4.0 MATURITY CENTER

2017
Foundation of the Industrie 4.0 Maturity Center as official acatech's contact for the Maturity Index



The acatech Methodology

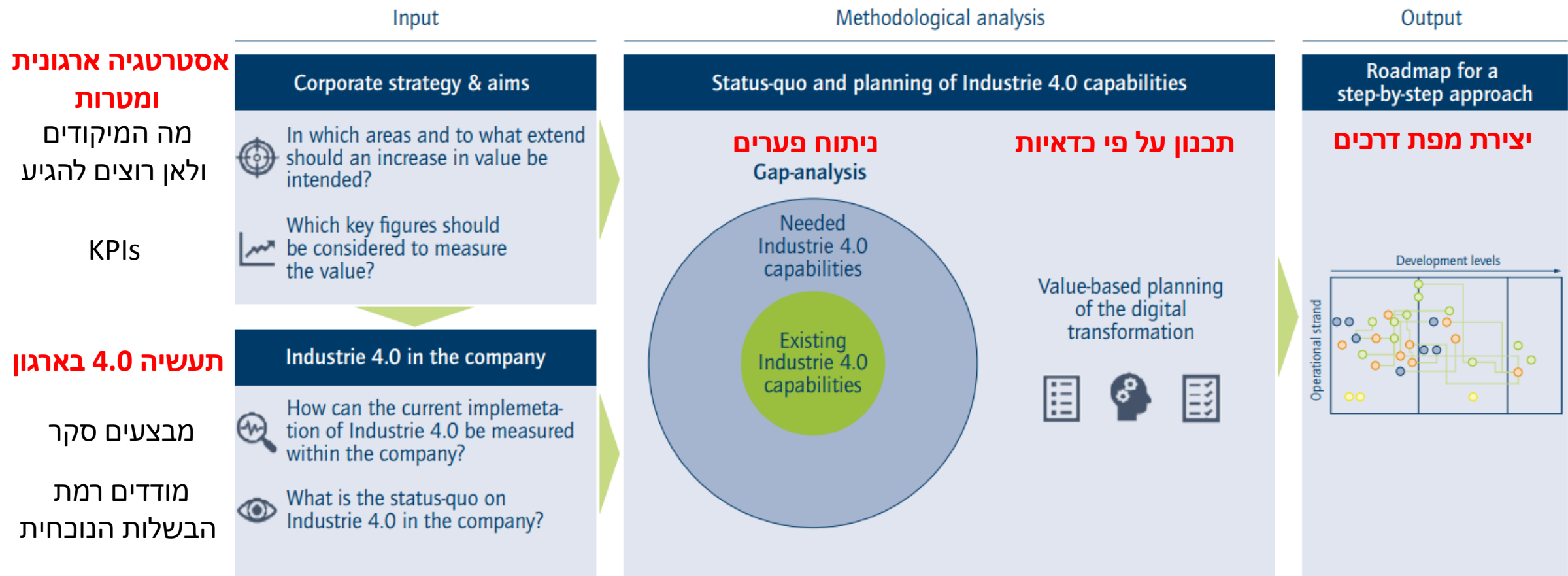
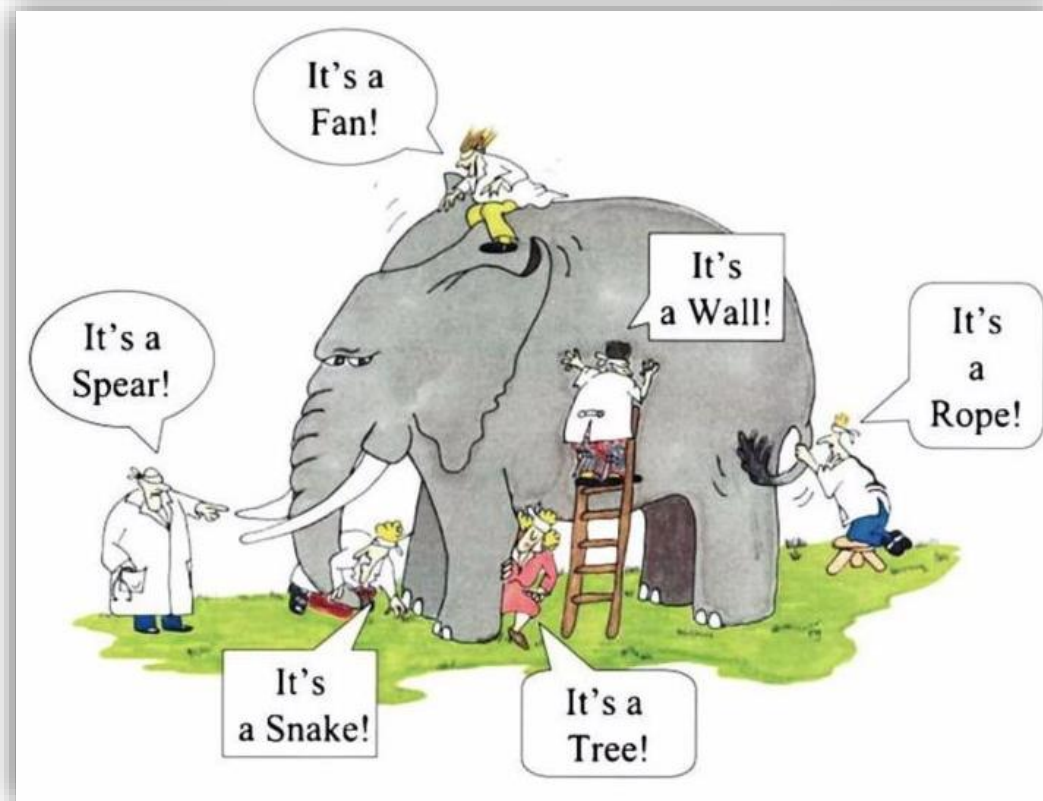


Figure 5: Methodology for introducing Industrie 4.0 (source: authors' own diagram)

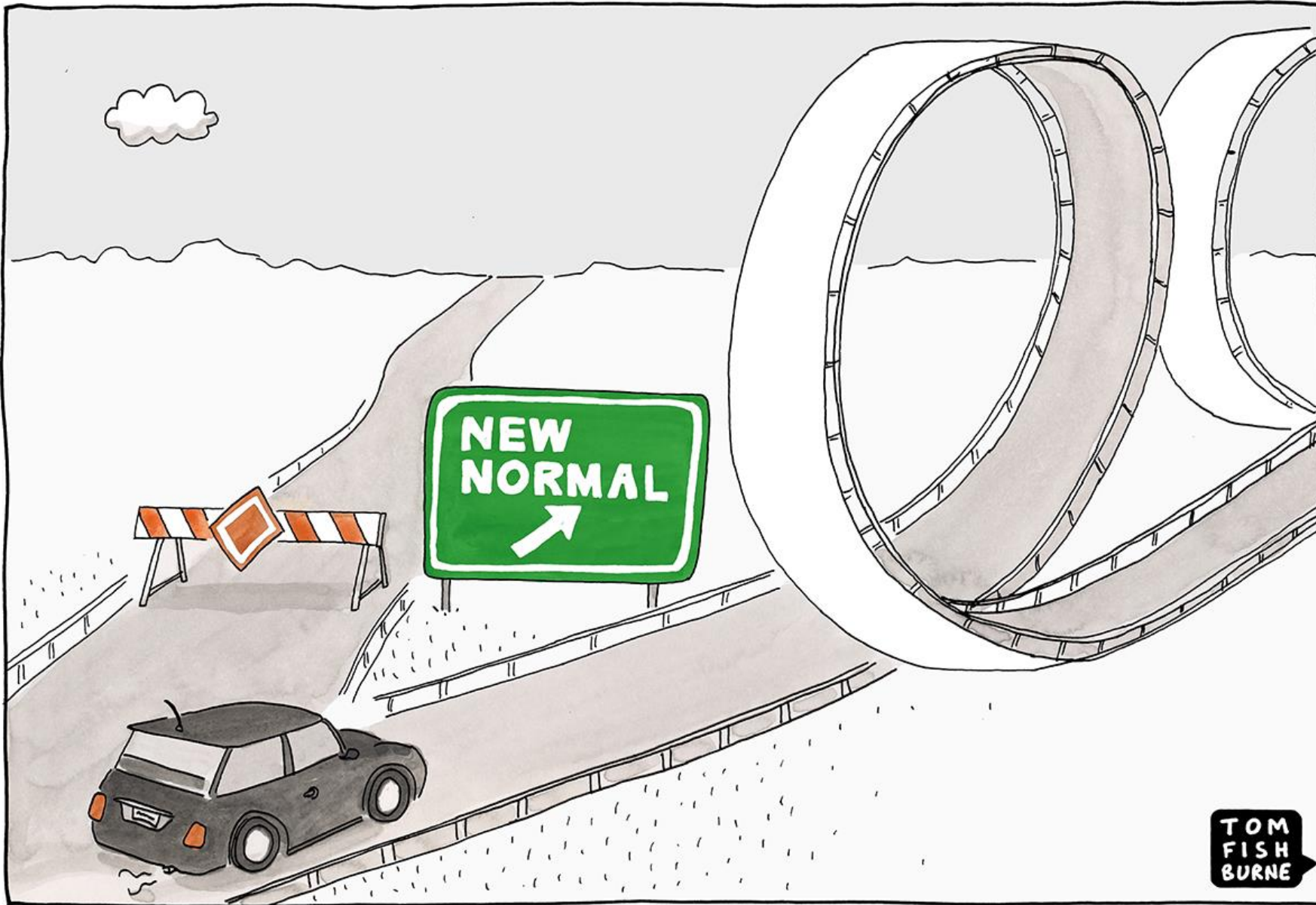
תובנות



איך מתחילים?

1. מקבלים החלטה להתחיל לנוע ומגבשים צוות מאנשים שקיימים בארגון ממספר דיסציפלינות ובהמשך יוצרים קהילה.
2. מסתייעים בגופים הממשלתיים
3. מבצעים הערכה עצמית של רמת הבשלות הנוכחית בתחילת המסע ומציפים את כל ההזדמנויות והסיכונים.
4. יוצרים מפת דרכים לביצוע עם תעדופים ותלויות
5. יוצאים לדרך למימוש בהתאם לתכנית ולתקציבים הזמינים


חשוב ללמוד, ולהתייעץ והשתדלו לעשות כמה שפחות טעויות....



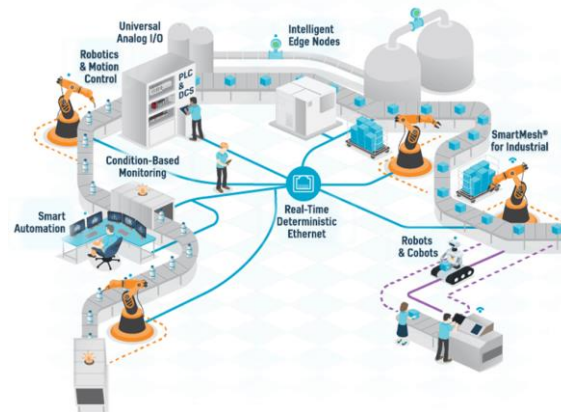
TOM
FISH
BURNE

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June 2, 2020



תודה על ההקשבה!

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