WE DEFINE FUTURE IMPACT

TECHNOLOGY SOFTWARE CONSULTING





The 99 Metrics Collection

Some basic insights in the way we are working and how we create long lasting value for our customers, especially in therm of agile Metrics.

Created for:

Agile Tour Vienna 2024

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AGENDA

What we bring to the table.

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04 | Some Exercises with Metrics

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#1 – P3 at a glance

BUSINESS AS UNUSUAL IMPLIES

INNOVATION MEETS

TRADITIONAL PROCESSES

01 | P3 AT A GLANCE

"Business as unusual" as a guiding principle.

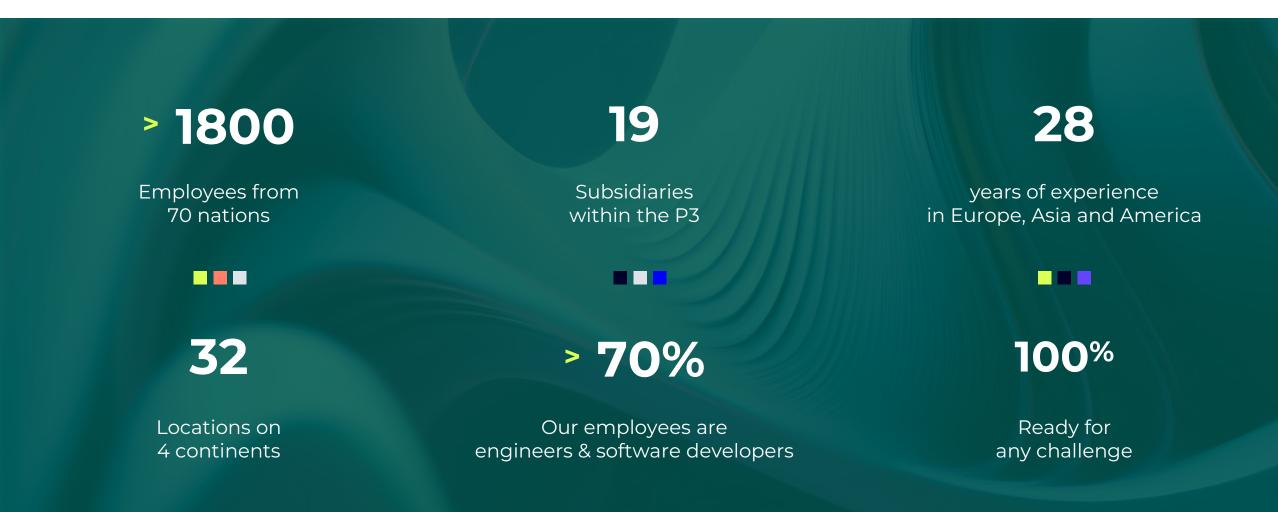
We combine consulting expertise with technological thought leadership and work with our clients to create innovative approaches to specific business requirements and product developments.

Our role goes beyond traditional consulting. As **doers, implementers and supporters**, we work side by side with our clients to transform their visions into tangible results.

"Business as unusual" is our guiding principle, which drives us to think outside the box and redefine the standard. For us, the future is not something abstract, but what we are passionate about shaping every day. BUSINESS BUSINESS BUSINESS \rightarrow В \vdash В DO \mathbb{H} **IMPLEMENT** \mathbb{R} **SUPPORT** AS UNUSUAL AS UNUSUAL AS UNUSUAL

01 | P3 AT A GLANCE

Facts, figures & data to the point.



P3

01 | P3 AT A GLANCE

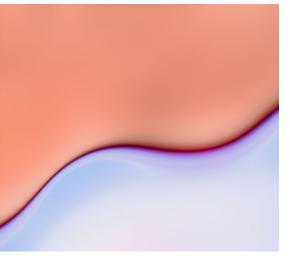
At home in the outside world.

Europe				North & S	outh America	
Germany	Stuttgart	Serbia	Belgrade	Mexico	Mexico City USA	Charleston
	Munich		Subotica		Puebla	Detroit
	Wolfsburg	Romania	Cluj-Napoca		Querétaro	Greenville
	Düsseldorf	Greece	Athens		San Luis	Dallas
	Berlin	Czech Republic	Prague		Potosi	
	Hamburg	Bulgaria	Sofia	Colombia	Cali	
	Osnabrück		Gabrovo			.
France	Paris					
	Toulouse					
Denmark	Copenhagen					
Poland	Wroclaw					
Asia						K A A A A A A A A A A A A A A A A A A A
China	Peking	Korea	Seoul			
	Shanghai	Thailand	Bangok			
	Shenzhen					

What did we learn from the traditional industries?









At first, agility seems like an attractive **bubble**, illuminated from above, activating positive fantasies.

The **motivation** of a few is quite high: initial pilots are launched with great confidence, and a fresh stream of oxygen invigorates the effort. It often comes down to a question of **budget**: Do we really want to spend real money on this? Who is going to sponsor it?

The **downside**: the

powerful individuals in the organization get what they want, but agility could achieve more. Adoption comes in **waves**: initially, it's all about software and digitalization. Later, it spreads to almost every department.

This shows the **versatility** of agile principles, benefiting the entire organization over time. The old organization and existing hierarchy must be addressed, making the **empowerment** of business and executive owners a significant issue.

Successful agility transformation depends on their **active** involvement and support.

But there was one thing that seemed to be a reoccurring pattern...



When the colleagues did not look for **proper agile metrics**, the agile transformation did not really take off...



Yesterday I found this...

16:10



I've never seen Agile **Transformations touch** three key things: 1. Org structures 2. Funding 3. Success metrics **Business agility depends** on these 3, not process

ピ 🖉 158 🛛 73 Kommentare 🔹 17 direkt geteilte Beiträg

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#2 – The 99 Agile Metrics Project

So I started some months ago...

A collection of agile metrics, and I was wondering how much there are out there?

One simple method to do this is the ALPHABETH. You learn it at Kindergarden, but there was no concise list of metrics out there in alphabetical order....

... so I created the first list in a long night before a call with a client with almost 50 metrics...

(consultants never sleep ;-)



"Dieses Foto" von Unbekannter Autor ist lizenziert gemäß CC BY-SA-NC

... and I was curious where we would settle

This here seemed to be an interesting, product. Maybe we could find 66 agile metrics...





... but this was there already!

Maybe 77 ??





... the result was a bit disappointing!

Holy Crab!





KARTEN für die ersten 100 Tage DER NAVIGATOR für den Führungsstart H. Hofbauer A. Kauer HANSER

P3

... an even 88 was no a solution....

... because everyone I asked hat a very clear association, this time the ALPHABETH turned against me, because "88" refers to "HH" and this was the abbreviation for this devastating guy to the right...



... and this is why we finally came to



Quite a lot, but still manageable. And my private collection was clearly above this number in the meantime!

... and we could trough away the bad ones!

But, wait a minute. Wouldn't you be interested to get to know some of them?



BTW, are there good and bad metrics?

Velocity –

Can be misleading as it may be gamed or misunderstood, leading to inflated story points and pressure for faster results.

VS.

Focus Factor -

It's a more reliable metric, comparing actual productive time to available time for a clearer view of team focus.

Number of Features Delivered -

Emphasizes quantity over quality and doesn't ensure the right features are built.

VS.

Customer Satisfaction –

Focuses on whether delivered features meet user needs and expectations.

Story Points Completed – Can be manipulated and focuses on effort estimation rather than value delivered.

VS.

Business Value Delivered –

Tracks the actual value or impact of completed work for the customer performance over time.

Defects Closed – Rewards fixing problems rather than preventing them in the first place.

VS.

Defect Escape Rate –

Measures how many defects escape into production, promoting quality upfront.

Utilization Rate –

Encourages overwork and doesn't account for effectiveness or team well-being.

VS.

Flow Efficiency –

Measures the ratio of productive work time to total time, promoting efficiency and eliminating waste.

Lines of Code Written –

Encourages writing more code, which can increase complexity, rather than solving problems efficiently.

Vs.

Code Simplicity –

Tracks how maintainable and efficient the codebase is, favoring clean solutions over complexity.

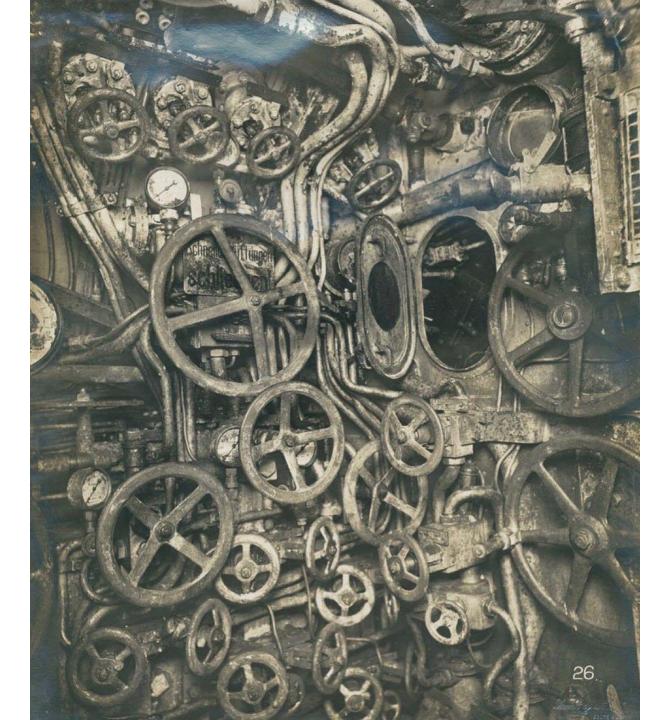
Do you like historic photographs?

Just imagine you would have to steer a German submarine in the year 1918...

GERMAN SUBMARINE

1918

What metric is the right one?



P3

Let's have another one....

Imagine you wanted to give direction to an ALWEG MONORAIL TRAIN in the year 1952...

ALWEG MONORAIL TRAIN, COLOGNE

1952

What metric would you look for to come closer to success?



One last historc photo...

Just imagine you wanted to find an appropriate metric to measure, if this man is doing his job in a right way...

TOKIO SUBWAY PUSHER

1975

How to measure the success of this guy?

What to look for when thinking about a metric to improve?



But sometimes...

...things can be quite easy

TESLA for example...

What metric would you chose for the success of Tesla?



TESLA for example...

Number of "Electric Vehicles" produced ever (!)



We wanted to find out how to make it easy...

...to define and use appropriate Agile metrics.

And there was nothing we coud use.



This is why we created the

P3 METRIKS Model.

#3 – The P3 Agile METRIKS Model

The P3 Agile METRIKS Model



- \checkmark E \rightarrow Evaluate: Collect the necessary data.
- **I** → **Transparency**: Make the data and metrics transparent.
- **R** \rightarrow **Reflect**: Analyze and reflect on the results.
- \blacksquare I \rightarrow Implement: Implement improvements based on the insights.
- \bigcirc K \rightarrow Keep Monitoring: Continuously monitor the implementation and metrics.
- **S** \rightarrow Scale: Scale successful practices to other teams or projects.

Every of the seven steps are useful...

... BUT most of the teams

don't manage to be successful with

STEP #1

Determine which metric to measure.

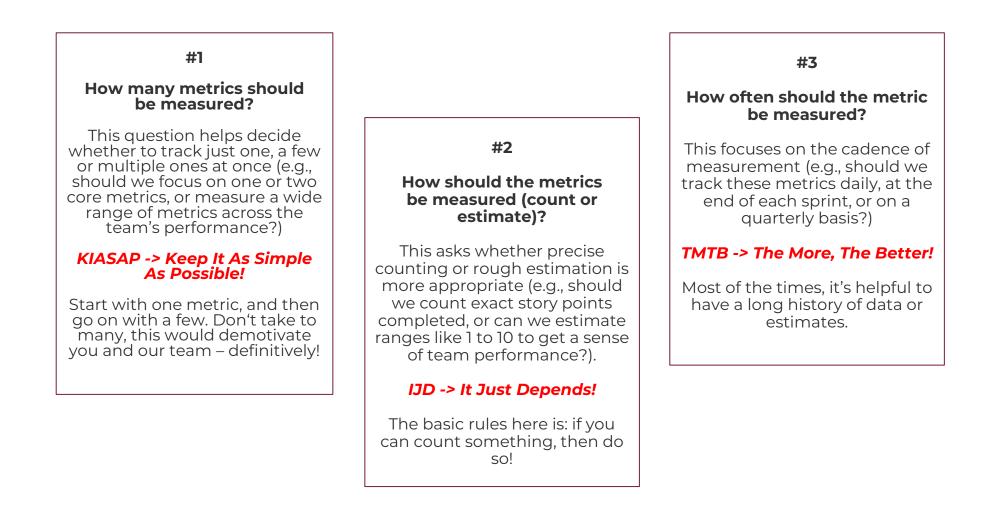


Making decisions on basic things...

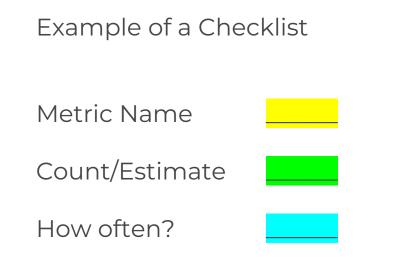
There are **three** questions connected to his step, and it's all about making a decision on basic things...



Determine which metric to measure – Decision making part



Making decisions on basic things...



CHECKLIST

And then there is the creative part...

BUT there are **soooo many** metrics, HOW can I pick **the right one** ???

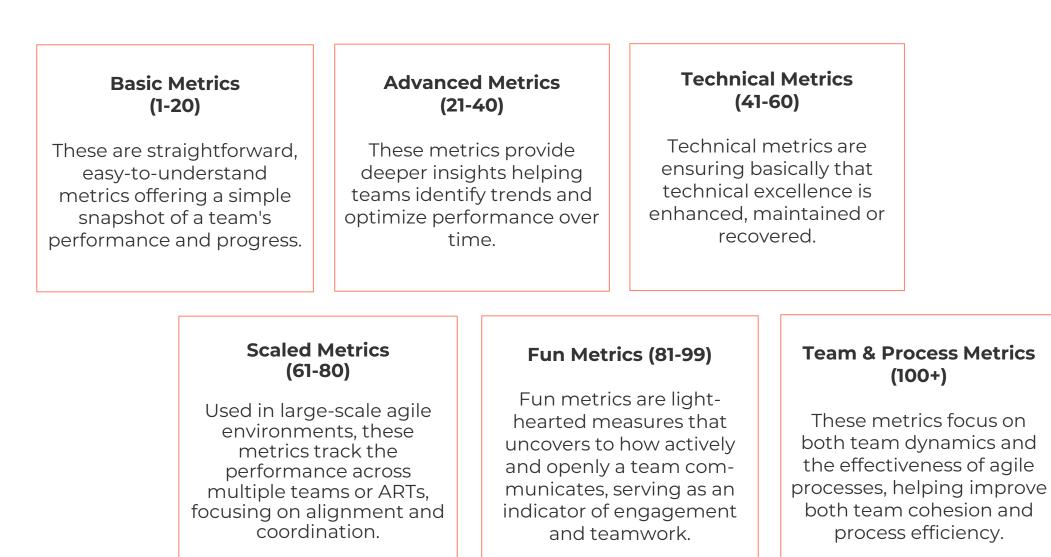
The answer is simple:

There **is no right or wrong**! Think about some, talk to the team, pick the best for the moment, and try it out. Then improve...

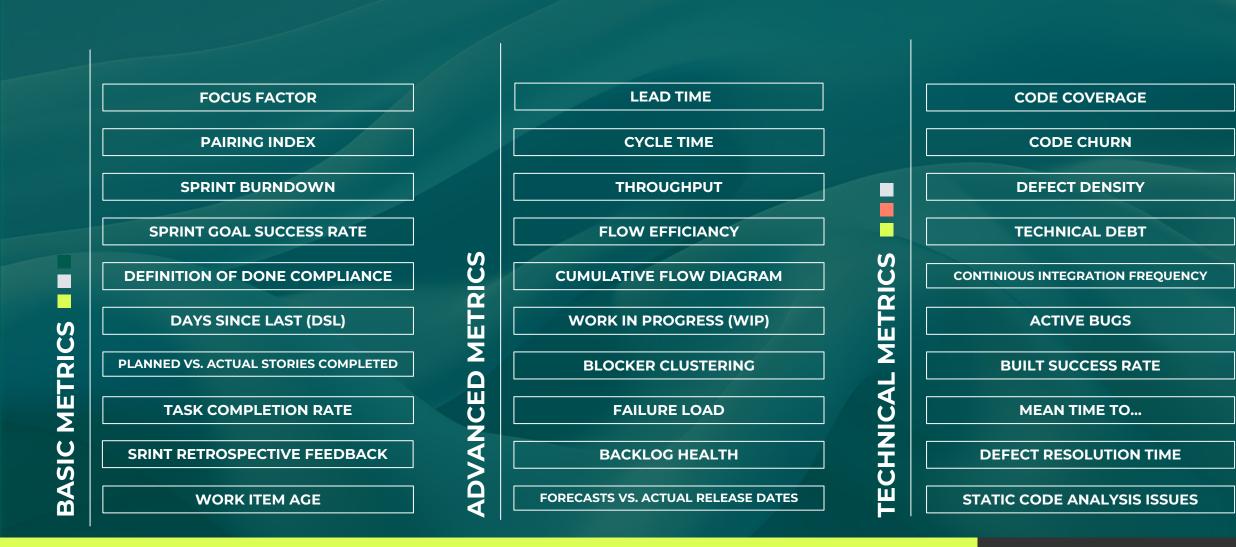
It's like **sailing**. There is not on perfect direction to go. Normally you are heading for a direktion, the make a tack ("Wende") or a jibe ("Halse"), and then you look for the next best direction to go...



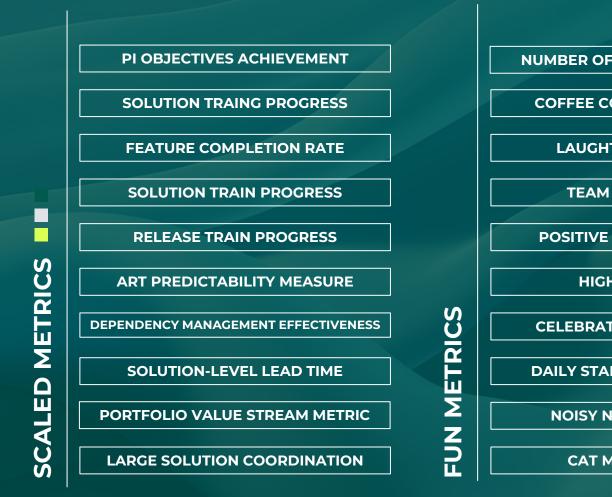
Determine which metric(s) to measure – Creative Part

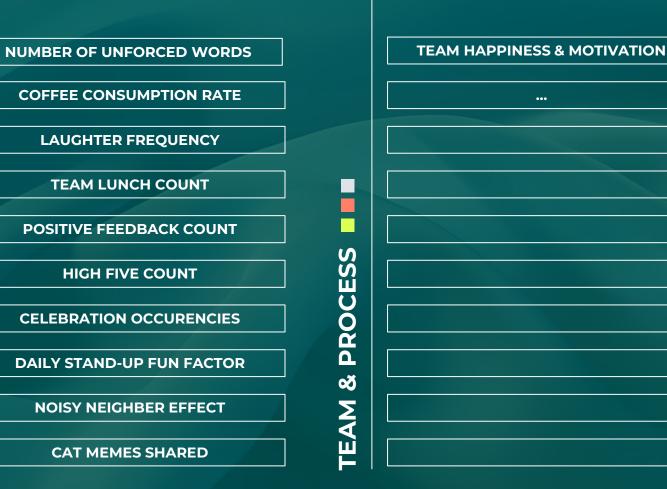


Metrics as unusual.



Metrics as unusual.





#4 – Some Exercises with Agile Metrics

FOKCUS FUN-METRICS

Exercise #1 – Why basic metrics? Well, getting startet is key...

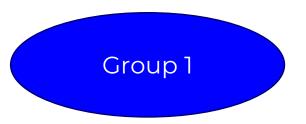
Try to use following DSL-Formula in a creative way.

DAYS SINCE LAST (DSL) ... ???

What could be intersting to measure here? What makes sense for your Agile team?

Let's have a first group working session here.

Find at least **five things** you could put in here for the three dots and then **make a ranking** afterwards: What would be most helpful or interesting to try out in your agile team?





Exercise #1 – Why basic metrics? Well, getting startet is key...

THE SIMPLE METRIC MOST TEAMS DON'T KNOW ABOUT

DAYS SINCE LAST (DSL)



42

P3

FOKCUS FUN-METRICS

The Magic 5:1 Ratio

challenging times.

The "magic ratio" of 5 to 1 suggests that **for every negative interaction during a conflict**, a stable and happy marriage experiences **five or more positive interactions**. This balance helps maintain a **healthy, supportive relationship** even through





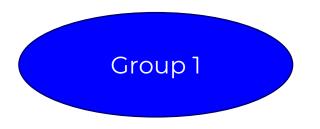
In Business the 5:1 magic ratio suggests that **for every instance of negative feedback or challenging interaction**, a high-performing team should experience **at least five positive interactions**. This balance of praise and constructive feedback nurtures trust, fosters resilience, and strengthens collaboration, ultimately enhancing overall team performance.

Task #2: Find some more fun metrics

This is why we belief in fun metrics, it goes together perfectly with high performing agile teams.

Let's have a **group working session** here also. We have 2 groups again. What could you imagine to use as a fun metric within your team?

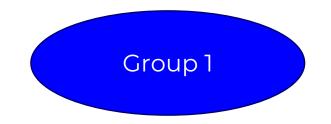
Find **some funny examples** for good fun metrics (at least 5) and then try to rank them in your group





Task #3 – How to make use of concepts that are similar but not equal

Injected Work



Scope Change

P3

Task #1 – How to make use of concepts that are similar but not equal

Injected Work Metric:

The **amount of unplanned or additional work** added to the sprint or iteration after it has started, indicating disruptions or changing priorities.

Scope Change Metric:

Tracks the **changes in the total scope** (features, tasks, or requirements) over the course of a project or sprint, reflecting how much work has been added or removed from the original plan.

Task #3 – How to make use of concepts that are similar but not equal?

Cycle Time



Lead Time

P3

Cycle Time Metric:

Measures the **duration it takes to complete a task** from the moment work starts on it until it's finished, highlighting the team's work efficiency.

Lead Time Metric:

Captures the **total time from when a task is** requested to when it's delivered, encompassing both waiting and working time.

#5 – F&A – Final Discussion

What did you find exciting?

What would you like to follow up on?

Where do you still have questions, suggestions, ideas?

Coming soon – Carl Hanser Verlag –Spring 2025

Agile Metriken: Den Weg zum Erfolg messen und gestalten Ziele erreichen, Fortschritt sichtbar machen und kontinuierlich besser werden

>>> Yes, that's German at first hand, but international versions are planned... <<<

Further Information about the 99 metrics project or assistance with your metrics? Let's get connected!

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