

Highly Responsive Agile Release Trains

Welcome



AGILEMOVES

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CHANGING THE BUILDING BLOCKS

CONCEPT 1

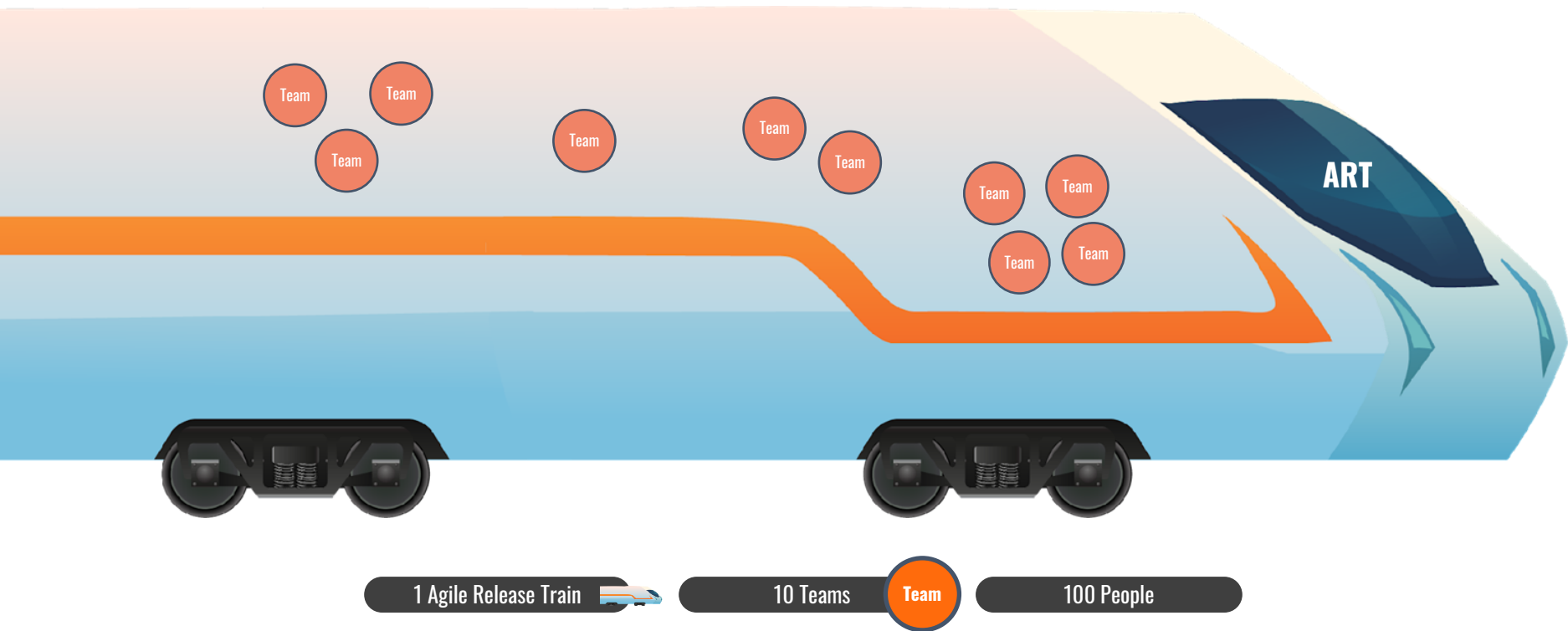


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AN AGILE RELEASE TRAIN CONSISTS OF AGILE TEAMS

The basic building blocks of Agile Release Trains are Agile Teams.



DEFINITION OF A SOLUTION AREAS

A Solution Area is a subset of Agile Teams that work on delivering the same objectives with a high degree of interdependency.

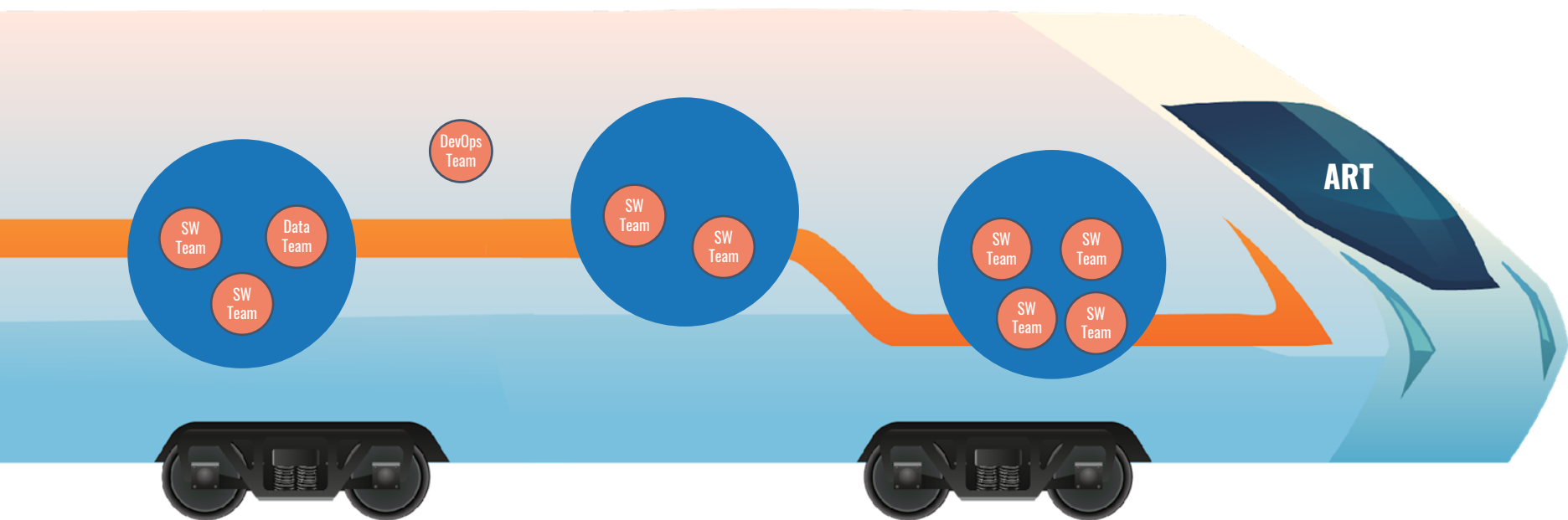
The purpose of a Solution Area is to enable all the people within the Solution Area to self-organize around the flow of value, similar to an Agile Team just on a higher level.

A Solution Area consists of 2 to 4 Agile Teams, with a maximum of 5 teams but only if one has very good reasons for that.



AGILE TEAMS CAN BE GROUPED IN SOLUTION AREAS

Agile Teams within an Agile Release Train can benefit from organizing themselves in Solution Areas.



SW = Software



REVIVING THE FEATURE TEAM IDEA

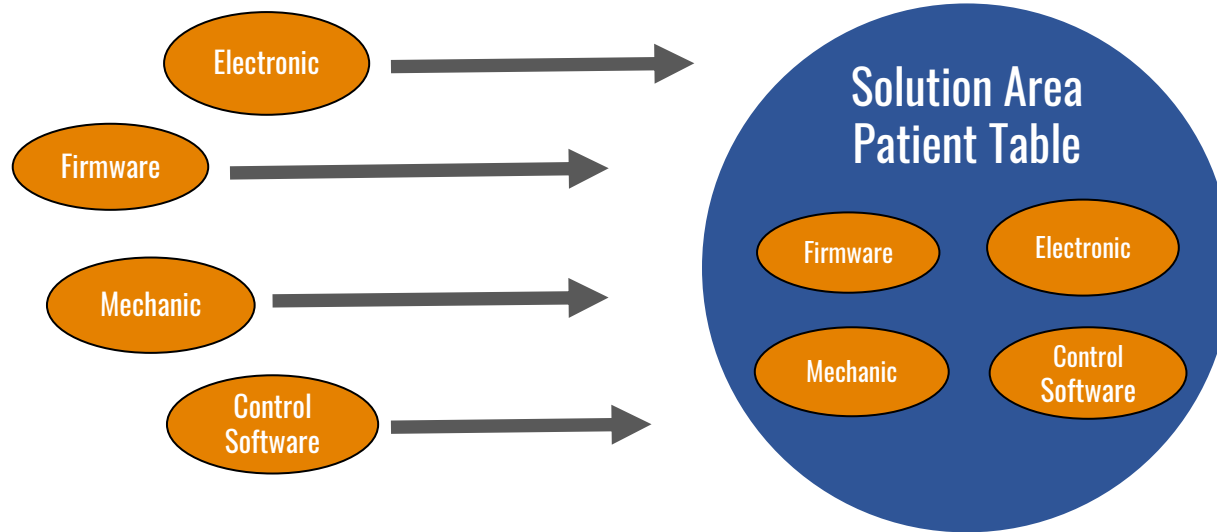
CONCEPT 2



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CROSS FUNCTIONALITY CAN BE ACHIEVED WITHIN THE SOLUTION AREA



Feature Teams is a cross-functional team with all skills and tools necessary to complete customer value or at least significantly independent parts of customer value on it's own.

In Large Solutions with hundreds of people working together it is rarely the case that one Agile Team is able to do so. But a Solution Area often is able to create a significantly independent parts of customer values on it's own. The idea of a Feature Team may not work in many cases in Large Solutions but the same idea one level higher often does.

If you are more used to the term “Stream-Aligned Team” from “Team Topologies” the statement is similar, even though Feature Teams and Stream-Aligned Teams are not exactly the same.

WORKING ON OBJECTIVES - NOT WORK ITEMS

There usually are significant dependencies between agile teams within the same component or domain



Often a whole component or domain is pursuing common goals



Changes can often only be made in close collaboration within a component or domain

If you need more people to deliver a part of the solution than a typical team size, then pull multiple teams into a Solution Area.

Objectives on Solution Area level are often much more helpful

Solution Area Patient Table

Firmware

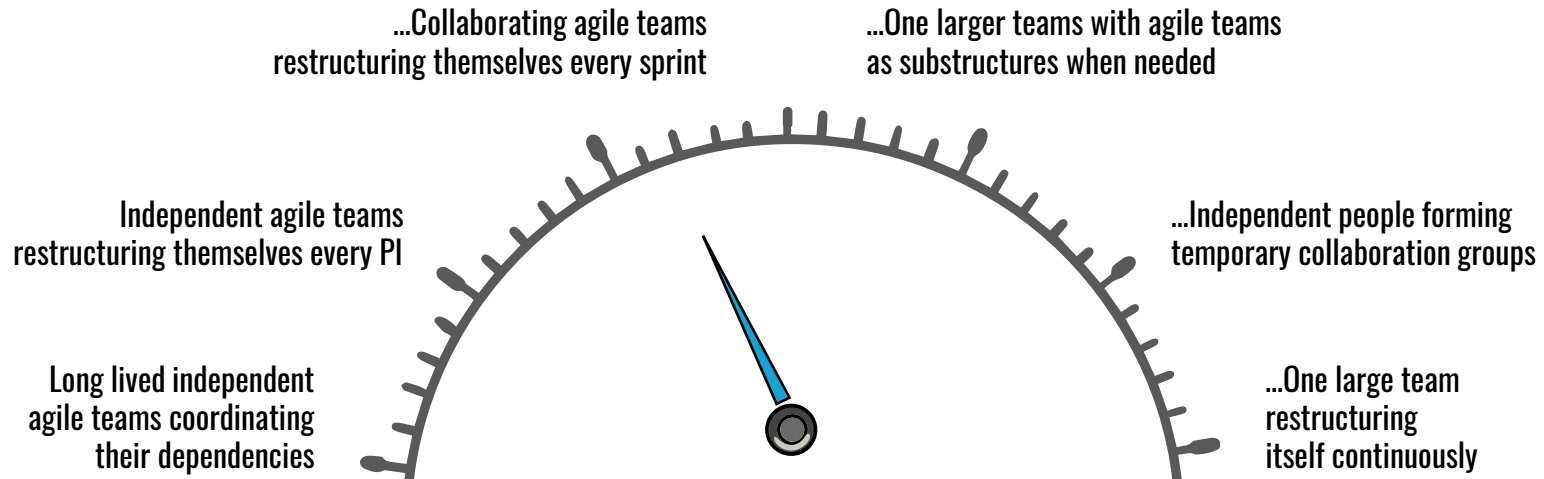
Electronic

Mechanic

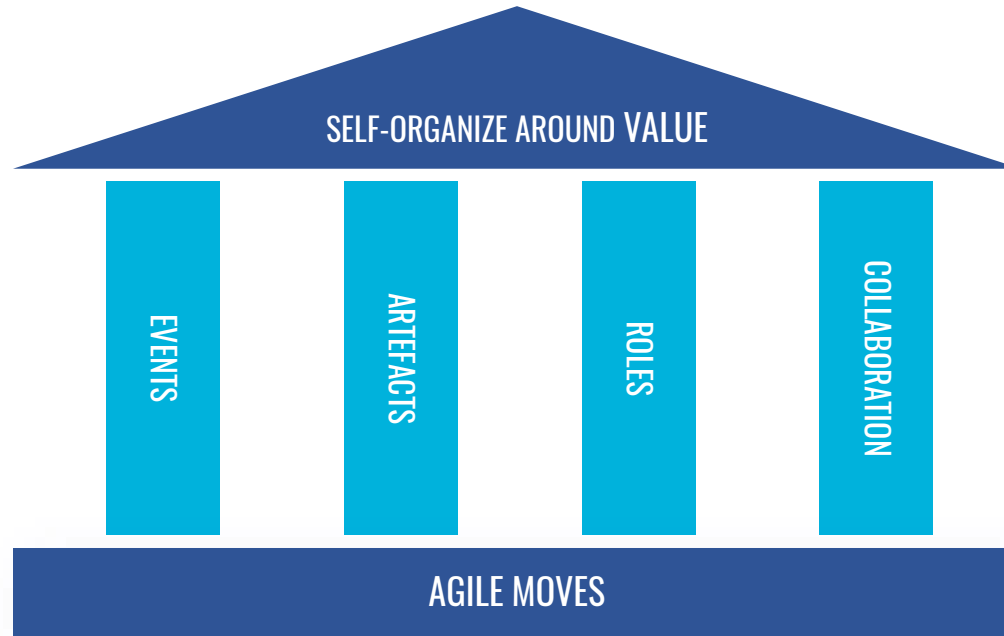
Control Software

HOW IS A SOLUTION AREA STRUCTURED INTERNALLY?

There is a wide spectrum of options how a solution area can structure itself internally.
A Solution Area Can Be...



HOW CAN YOU SYNCHRONIZE THE TEAMS WITHIN A SOLUTION AREA?



ENCAPSULATING COMPLEXITY

CONCEPT 3



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ENCAPSULATING COMPLEXITY

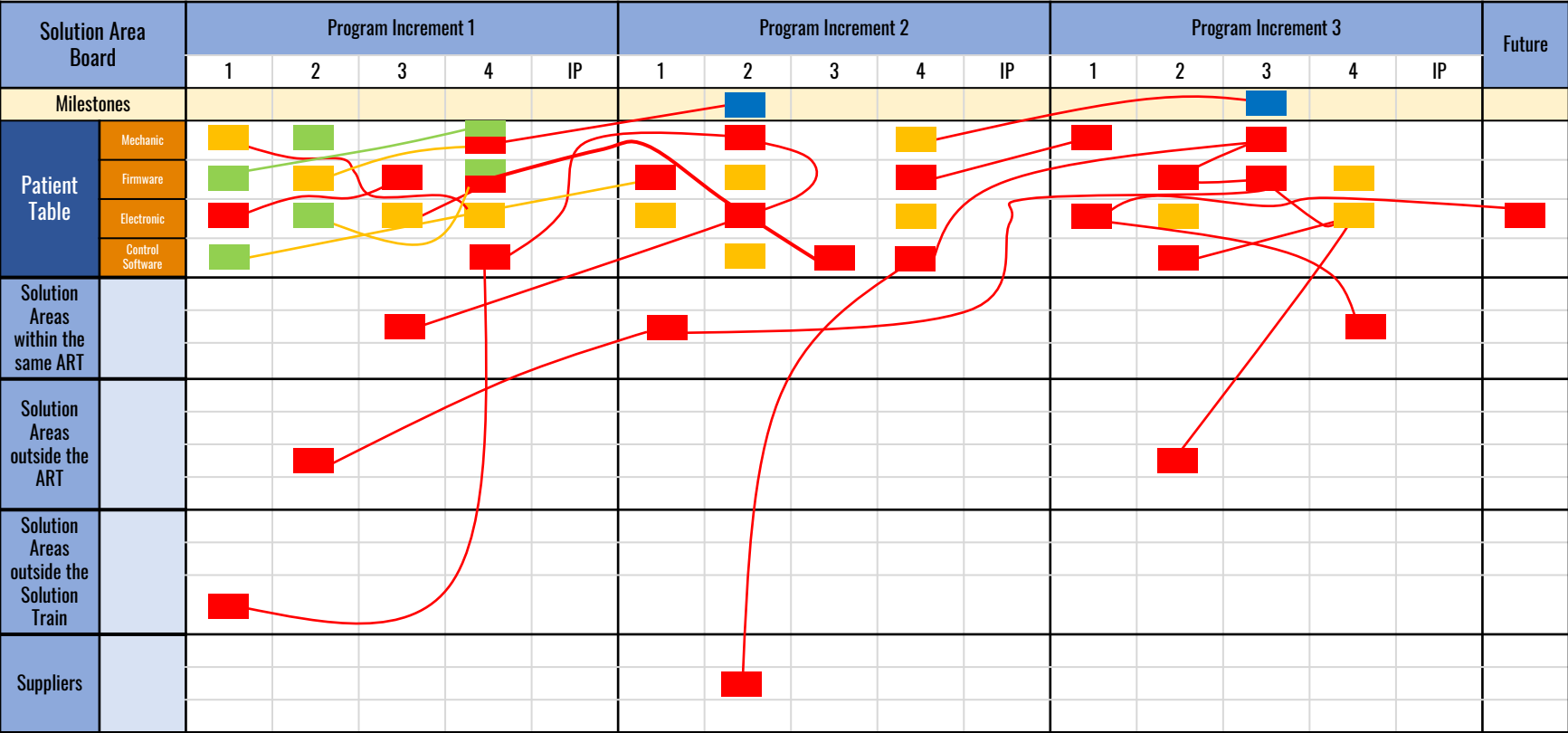
Nobody outside an Agile Team cares about the dependencies within an Agile Team.



Nobody outside a Solution Area cares about the dependencies within the Solution Area.

Self-organization within an Agile Team is one of the most effective mechanisms in an agile approach to create better results. Having similar self-organization abilities on level higher leads to better results in an even more complex environment.

SOLUTION AREA BOARDS HELP THE SOLUTION AREAS TO SELF-ORGANIZE



Key: ■ Proposed ■ Agreed upon by representatives ■ Approved by people who do the work

ORGANIZATIONAL ADAPTABILITY

AGILE TEAMS

are often too small to be able to react on their own to changing value stream networks

SOLUTION AREAS

often have the right size and focus to react fast and change structures significantly around the flow of value

ARTs

are often too large to change structures frequently

SCALING UP

CONCEPT 3

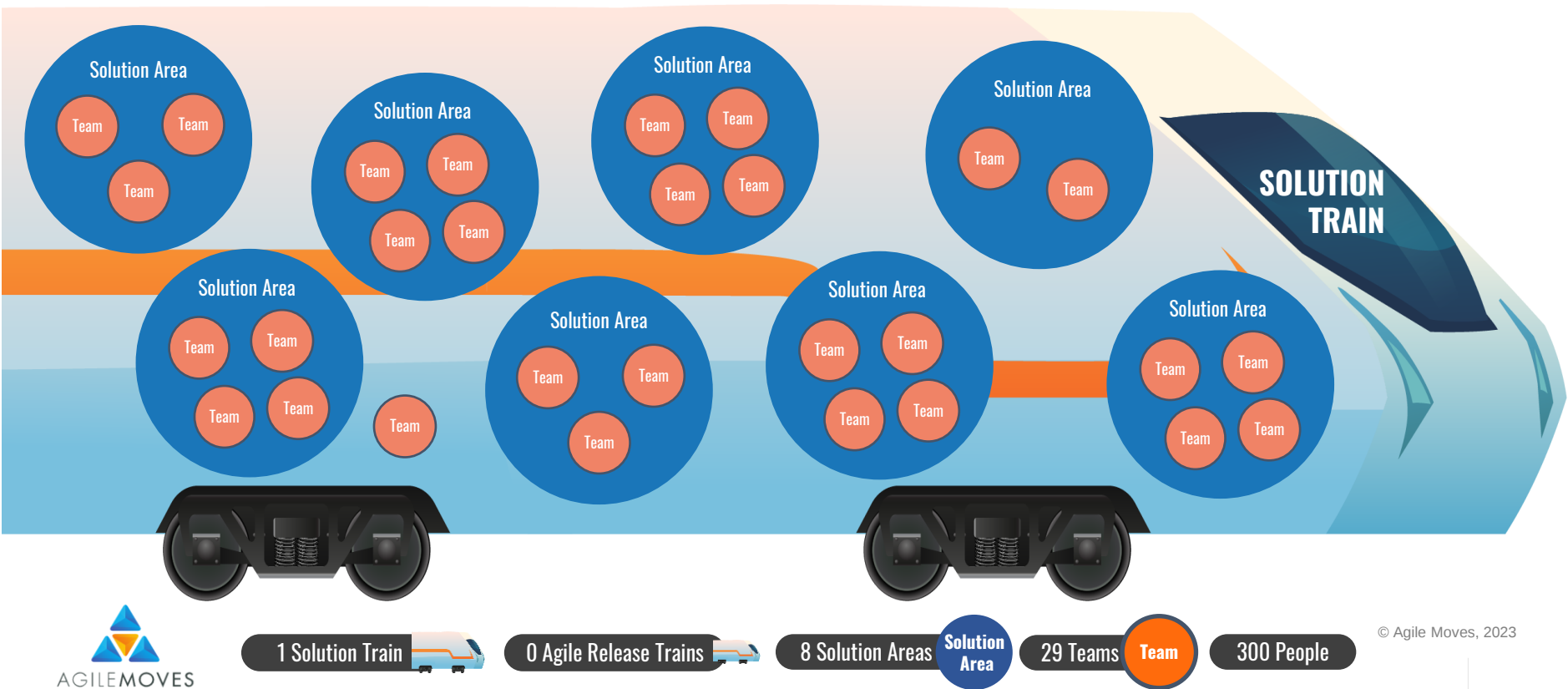


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SOLUTION AREAS AS BUILDING BLOCKS FOR SOLUTION TRAINS

The same way Agile Teams are the Building Blocks of Agile Release Trains, Solution Areas are the building blocks of Solution Trains.

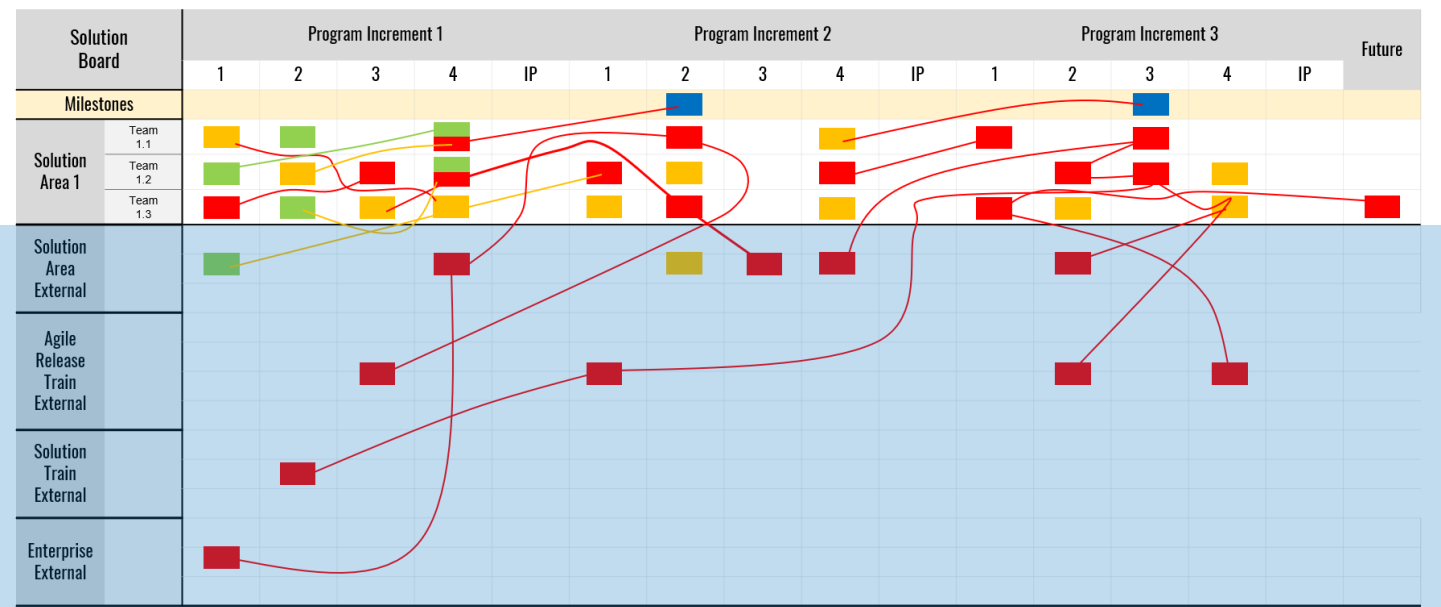


PLANNING CONFERENCE SUMMARY



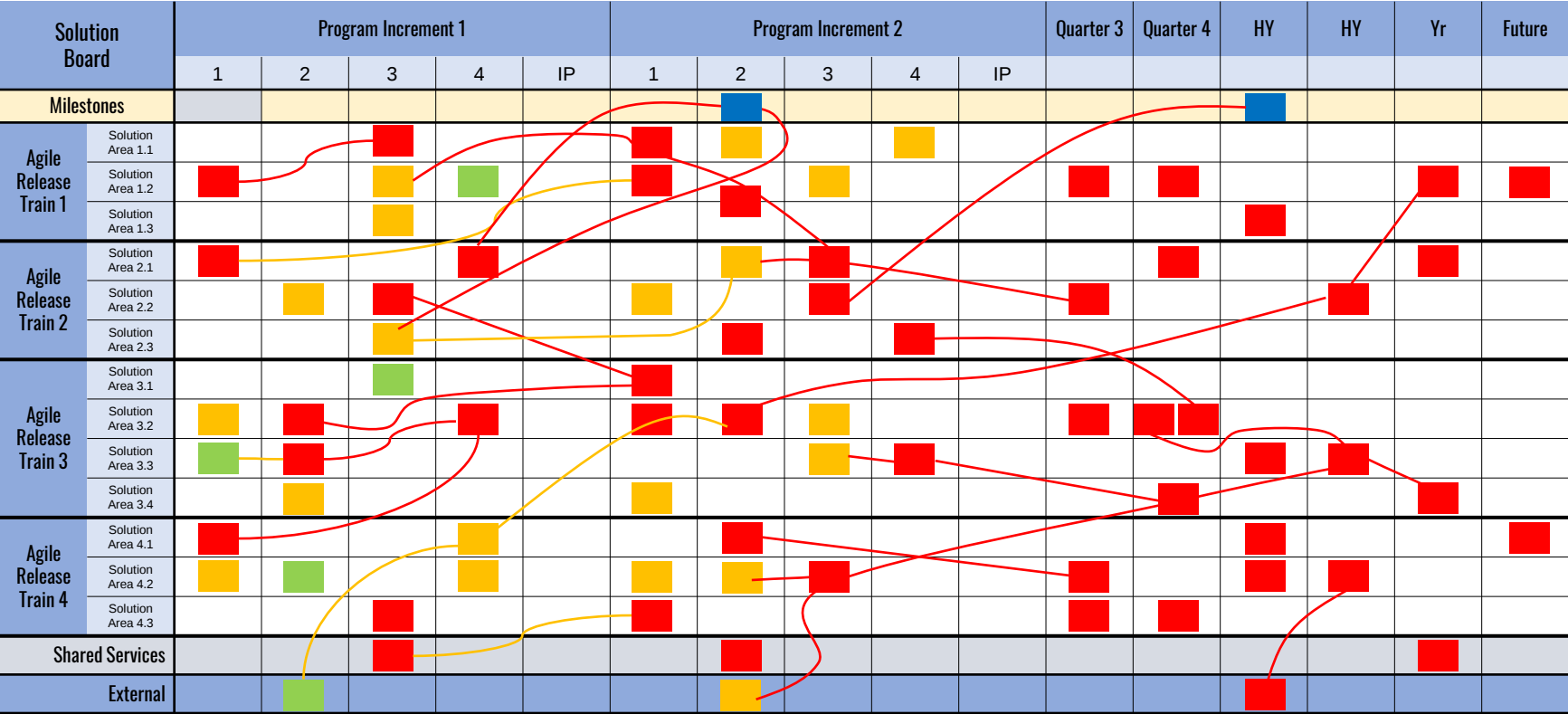
SOLUTION AREA BOARDS HELP TO MANAGE OUTSIDE DEPENDENCIES

The upper part of the Solution Area Board is the sovereignty of the Solution Area.



The lower part of the Solution Board depicts the collaboration with other Solution Areas, with other parts of the organization, and with outside suppliers.

SOLUTION BOARDS SHOW THE LOWER HALF OF ALL SOLUTION AREA BOARDS

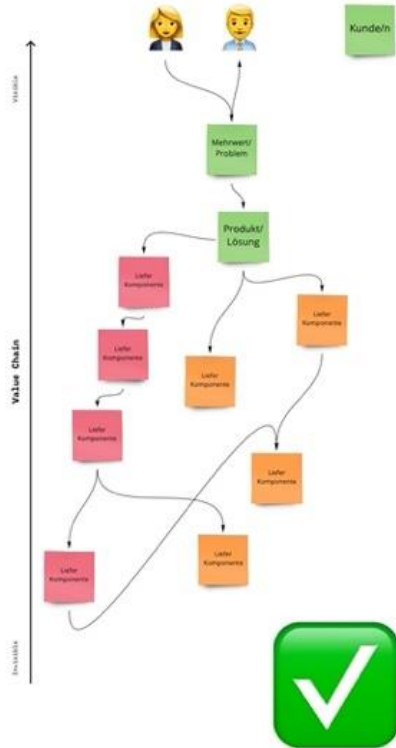


Bottlenecks über LPM/Planungskonferenz

Epic 1

5. Value Chain

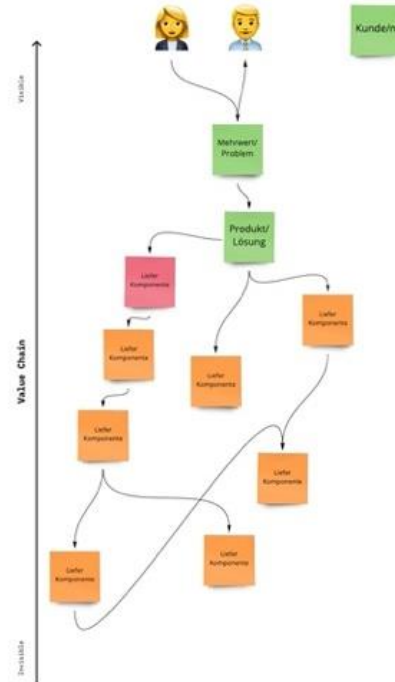
Copy the users over, with their needs underneath. What sorts of things do you need to be doing to fulfill those needs? Arrange them according to dependence – create a value chain.



Epic 2

5. Value Chain

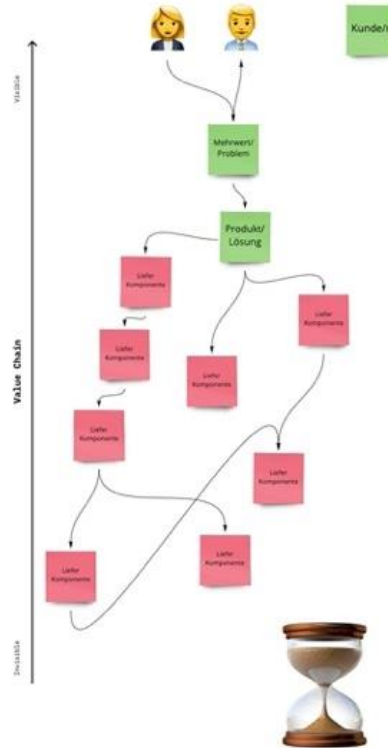
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Epic 3

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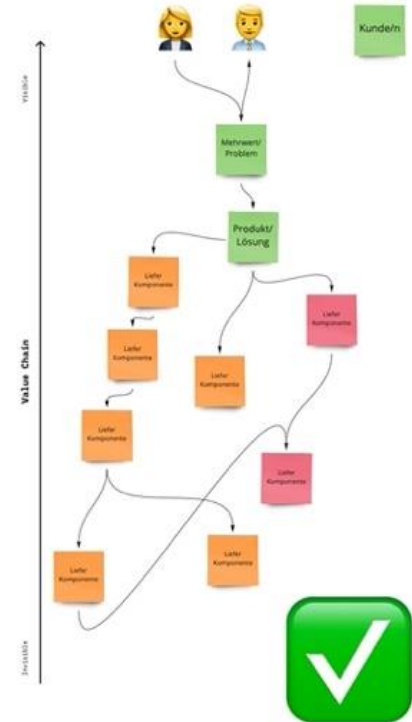
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Epic 4

5. Value Chain

Copy the users over, with their needs underneath. What sorts of things do you need to be doing to fulfill those needs? Arrange them according to dependence – create a value chain.



REACTING FAST TO CHANGING VALUE STREAM NETWORKS

CONCEPT 4

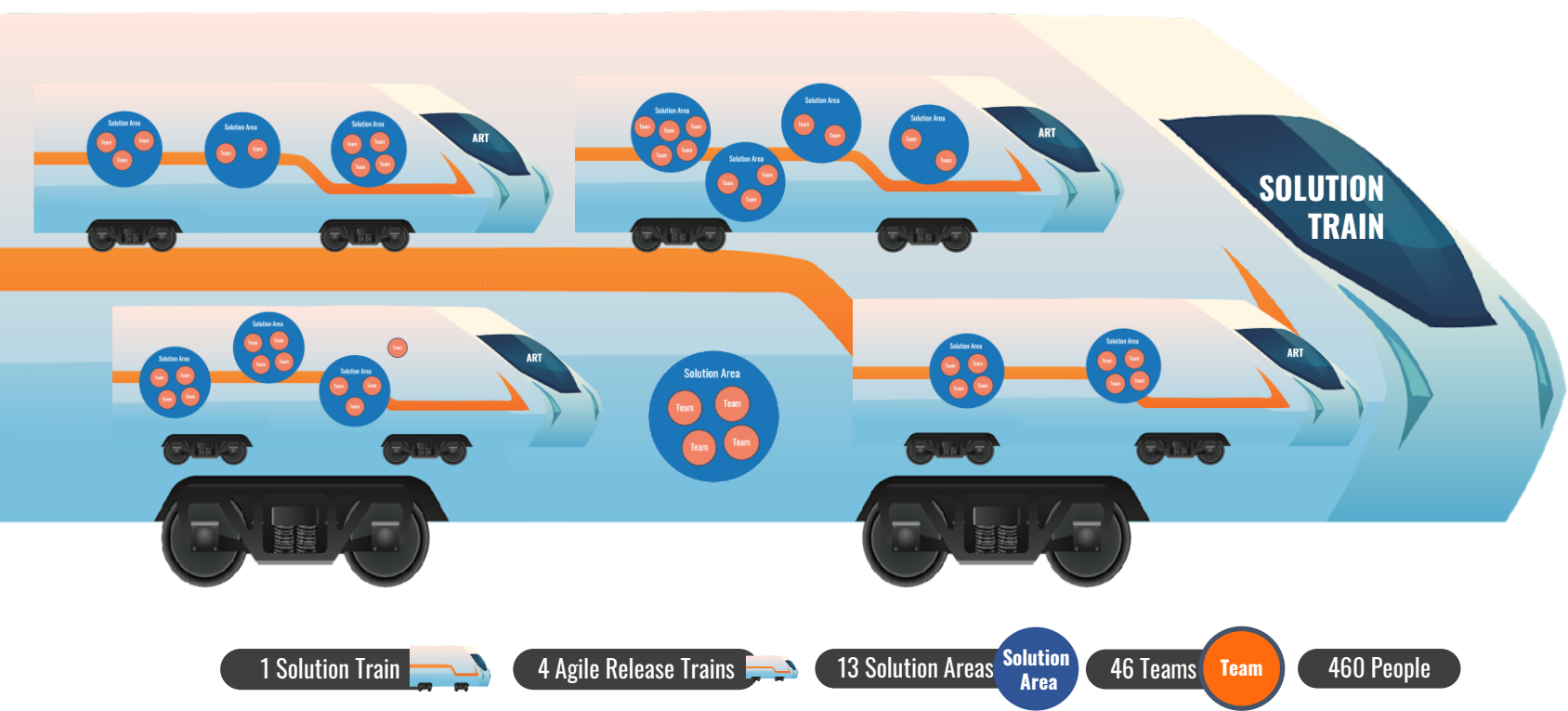


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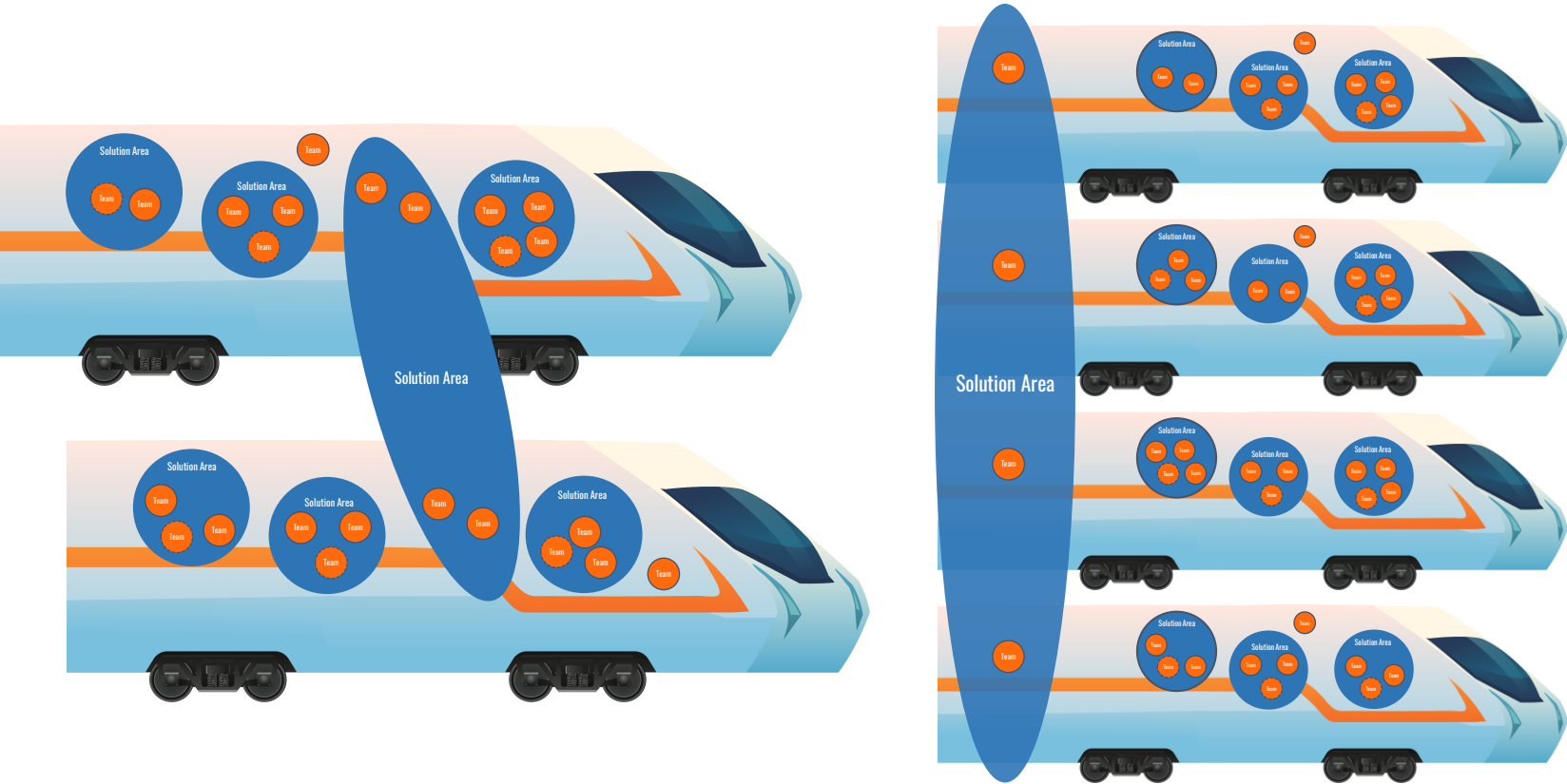
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A SOLUTION TRAIN WITH ARTS AND SOLUTION AREAS

Solution Areas can benefit from organizing themselves into Agile Release Trains within a Solution Train.



A SOLUTION AREA CAN SPAN TWO OR MORE AGILE RELEASE TRAINS



**6 Agile Release Trains**

20 Solution Areas


69 Teams


690 People