



Scrum in Construction

CONSTRUCTION

Project management, Direction of works
Design, Cost Control and Consultancy



Construction

Quality keeping timing and costs.



Scientific Instruments

Stable Isotopes and Trace Gases analysis
using CRDS Picarro®.



ICT

Ad hoc Software Development , System
Integration, Consultancy.

Case History

[See all Construction](#)

[See all Scientific Analyzers](#)



Restyling Open Space Office
Genny Factory
Works direction, Design, Project



Showroom SKS (LG) in Milano
Works direction, Project
Management, Executive Project



Villa in Aurigeno (Valmaggia)
Works direction, Executive Project,
Cost Control



New Single Family Villa in
Savosa
Executive Project, Project

- People with great experience in construction in Italian and international markets
- Client satisfaction as primary value
- Goal-oriented corporate philosophy
- Flexibility to provide professional services during the whole lifecycle of a project
- Strong, concrete and innovator partner for its Clients, to help them in the study and realization of their projects

Swiss way Italian creativity

We wish to support our
Clients becoming their
"outsourced technical department"

PRINCIPAL MARKETS (*)



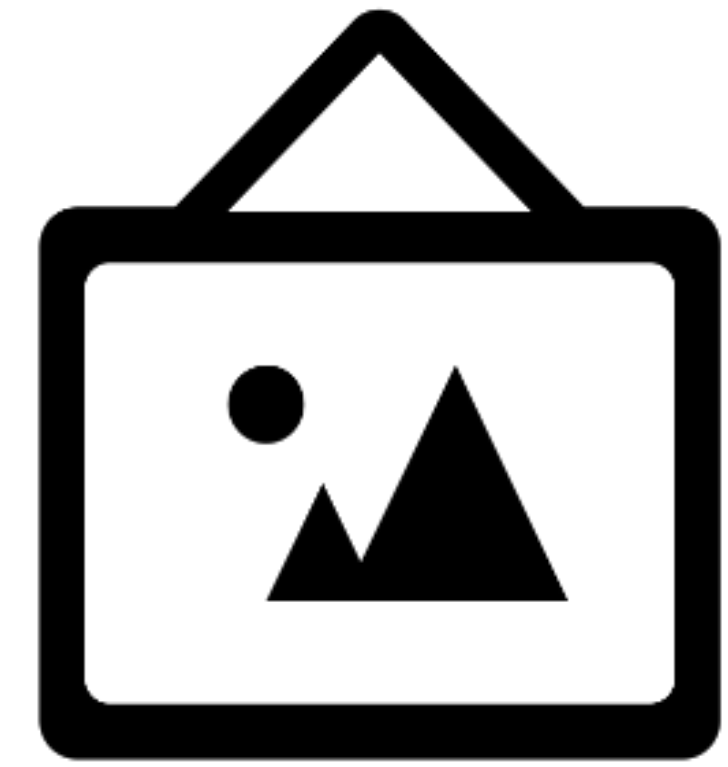
Offices



Residential



Stores / Retail



Museums

() Often in the luxury sub market*



SOME EXAMPLES (*)



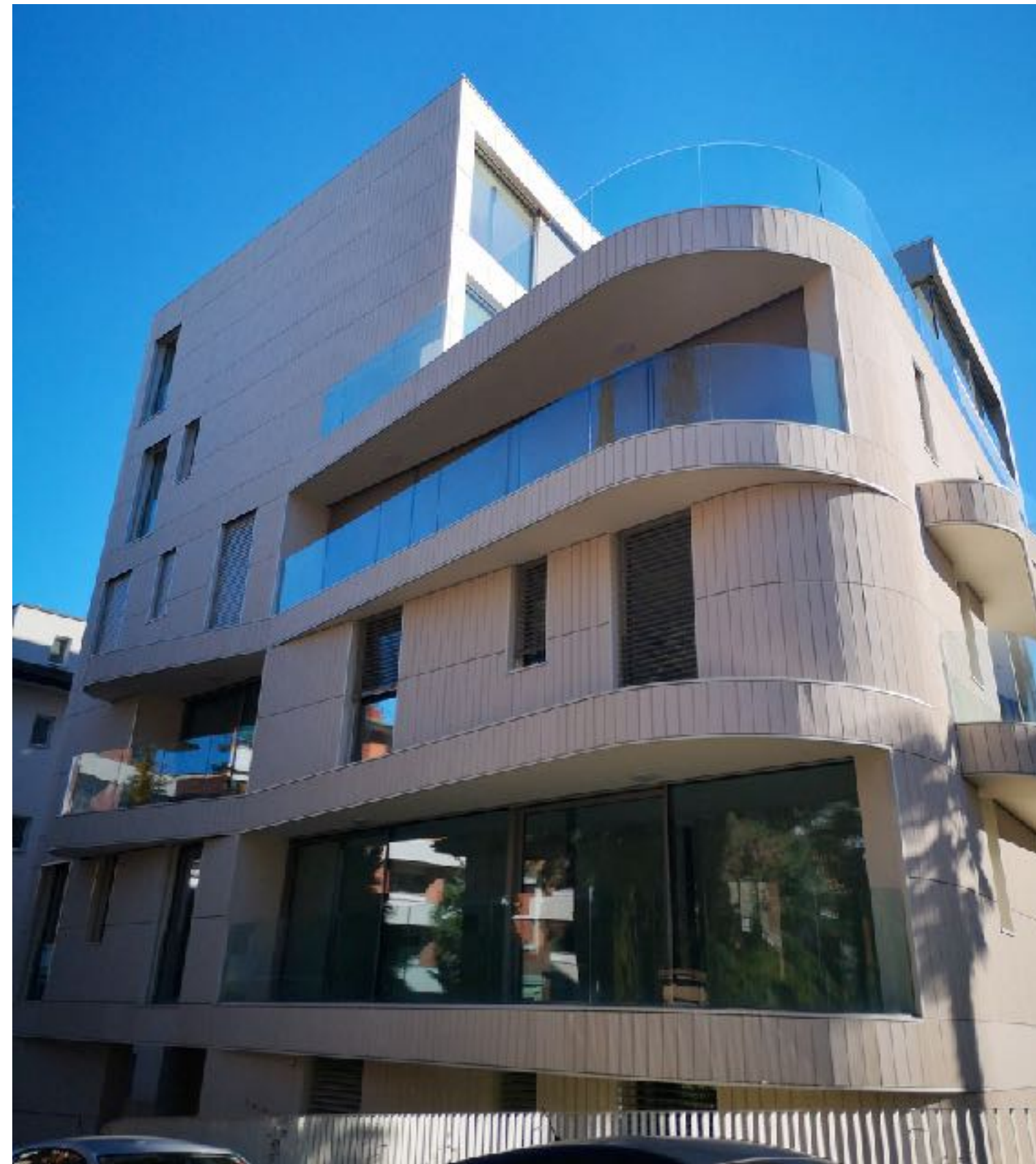




SOME EXAMPLES (*)



SOME EXAMPLES (*)









Project & Construction
Management



Cost Control



Planning



Contract
Administration



Procurement



Design
Coordination



Value
Engineering



Safety
Coordination

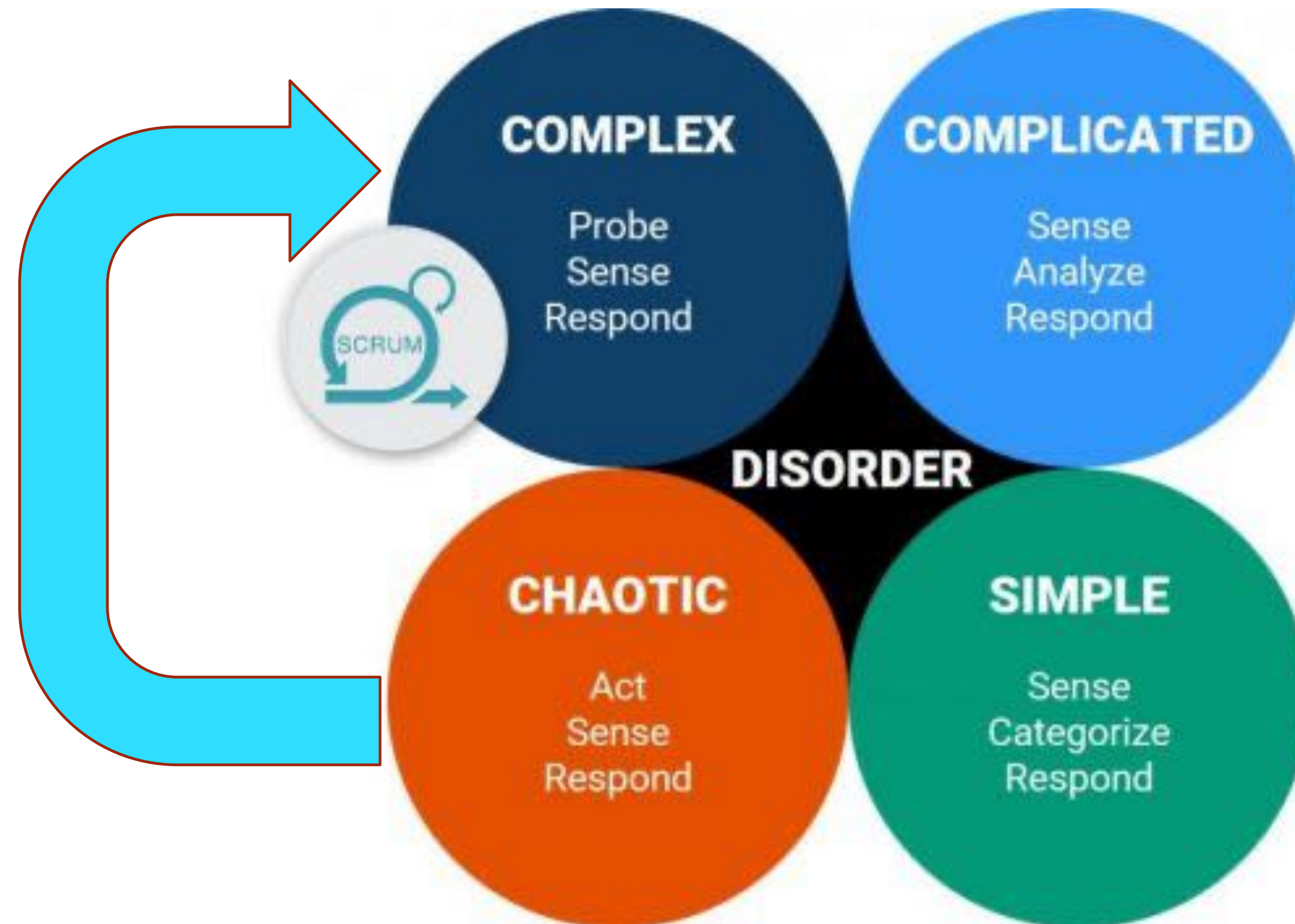


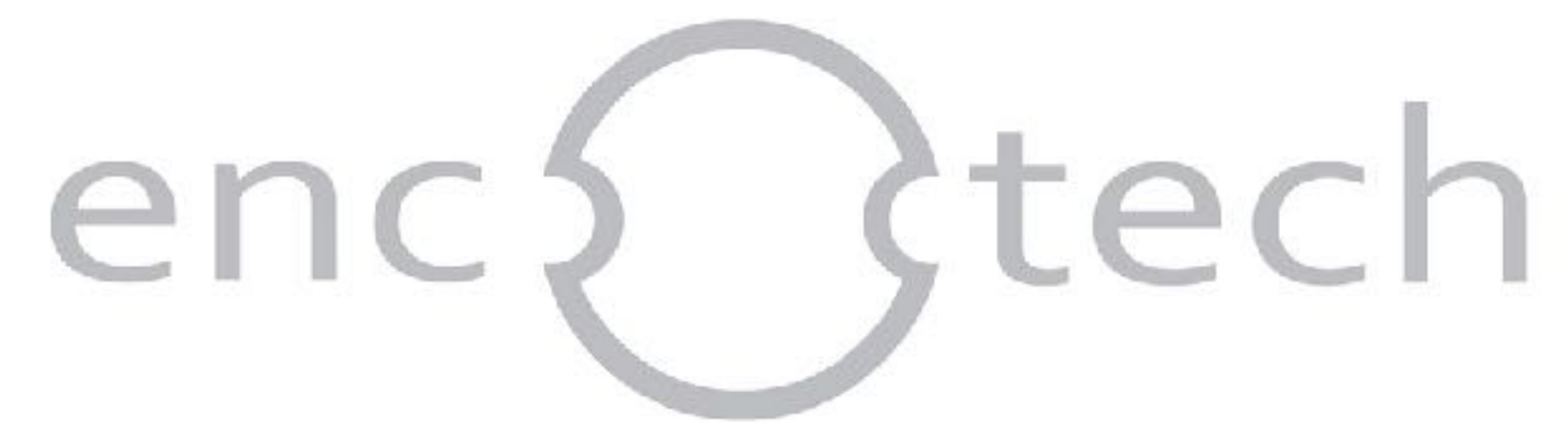
Testing &
Commissioning

Is a mess coordinating usually 30 actors for each project, with (today) 25 projects on going, with daily accidents, answering in the meantime to client requests?



YES! It is!

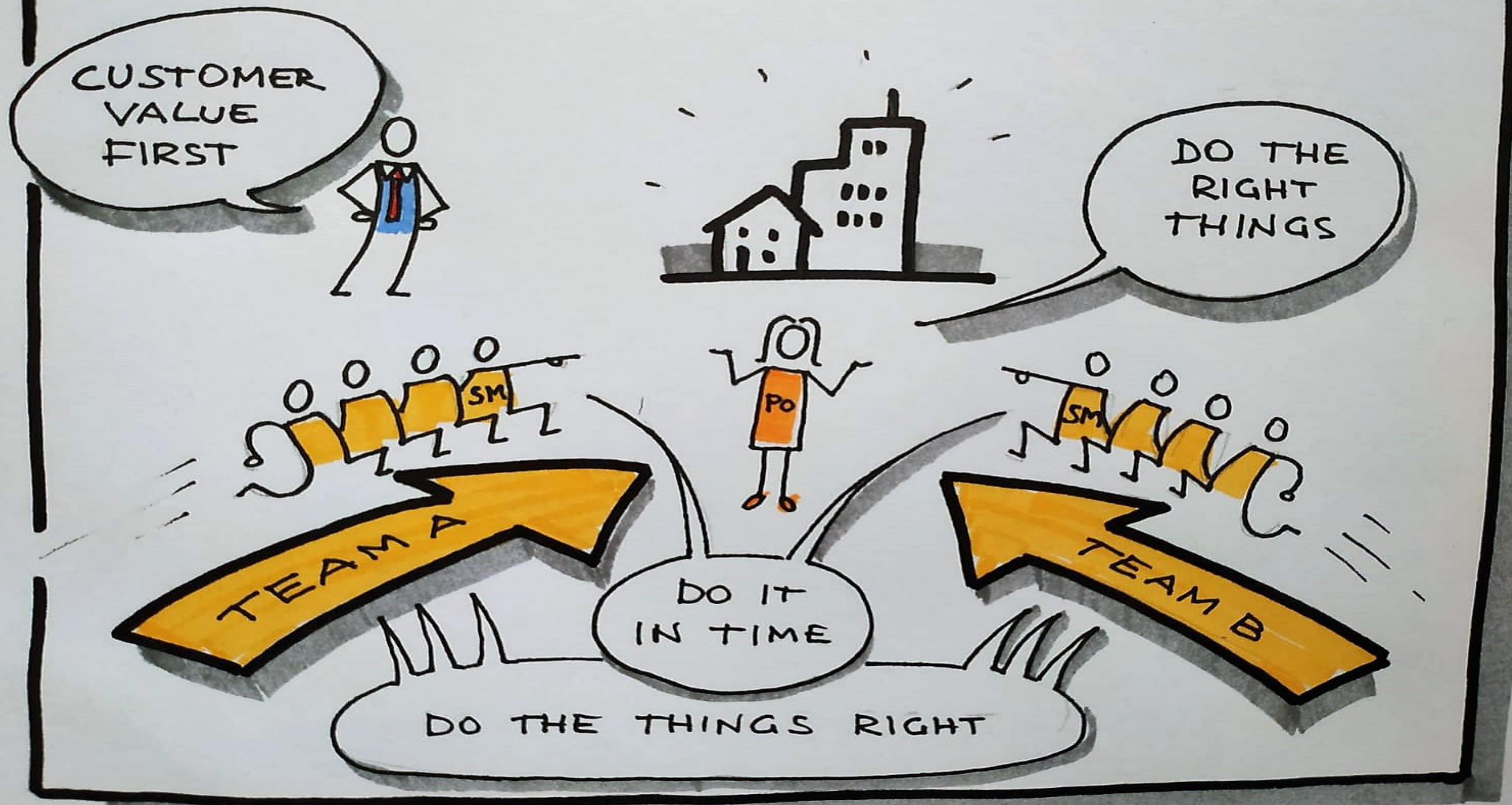


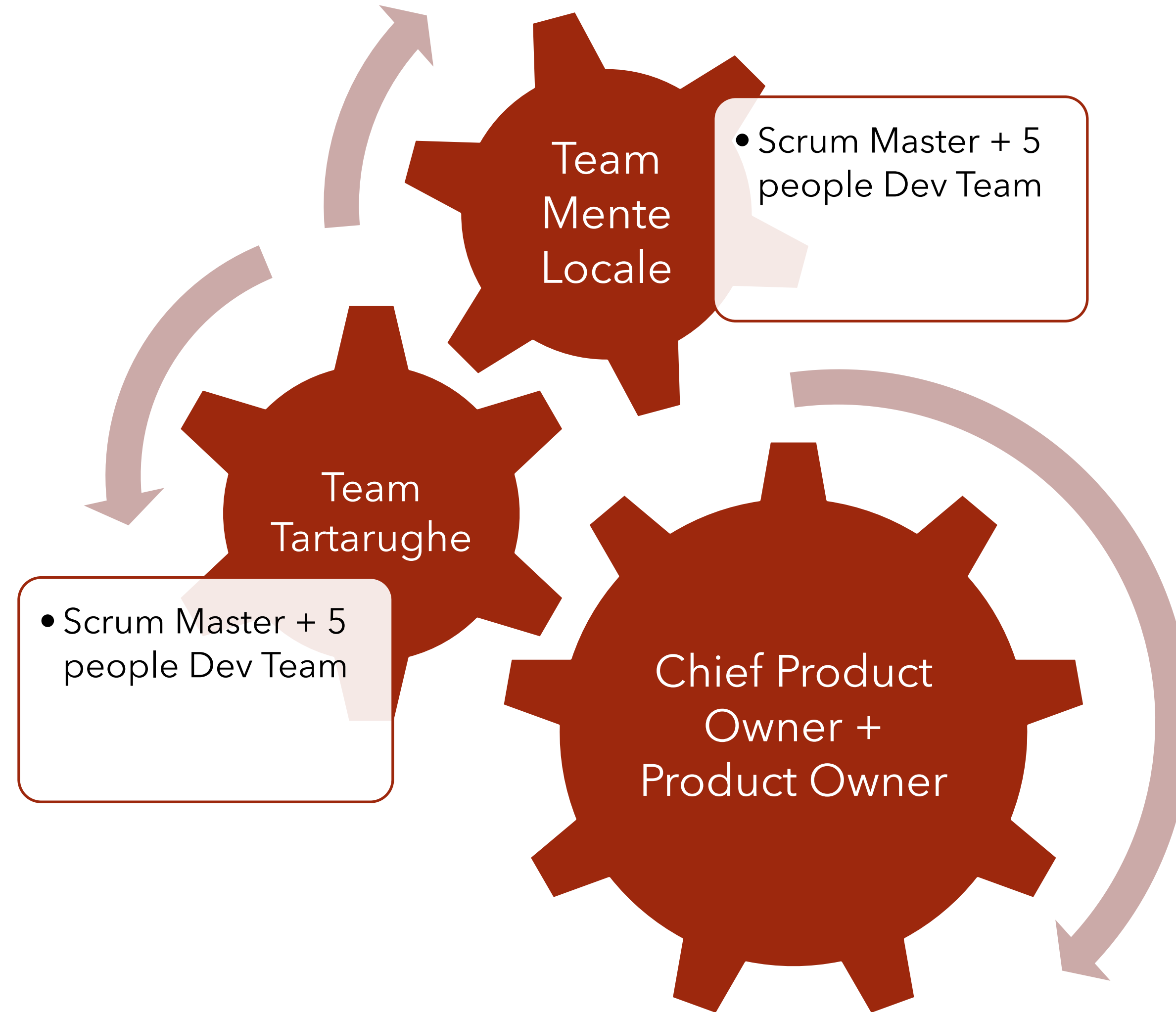


Implementation

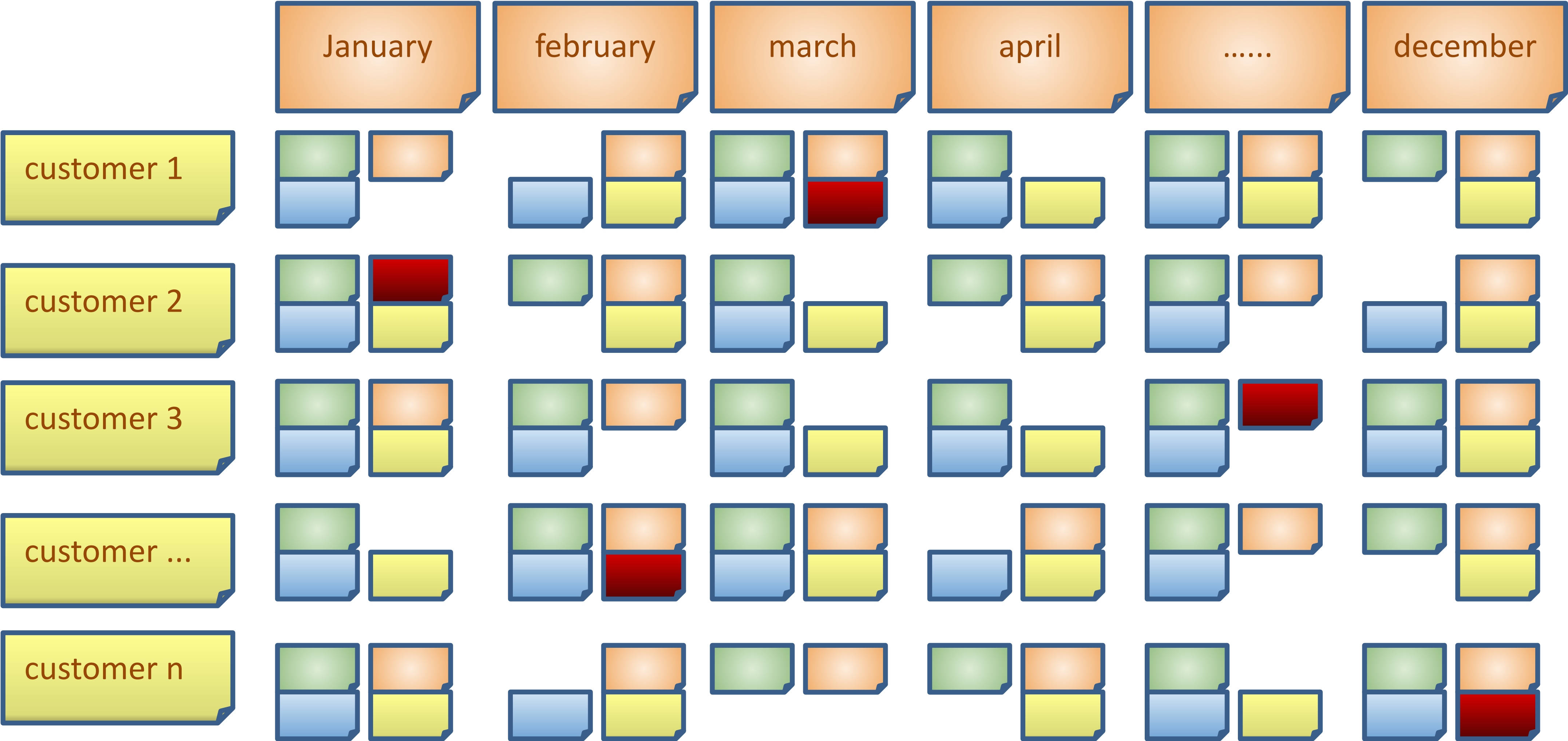
The odd couple







Roadmap



First backlog

Customer 1

Lorem
ipsum ..

Lorem
ipsum ..

Lorem
ipsum ..

Lorem
ipsum ..

Customer 2

Lorem
ipsum ..

Lorem
ipsum ..

Customer 3

Lorem
ipsum ..

Lorem
ipsum ..

Lorem
ipsum ..

Customer 4

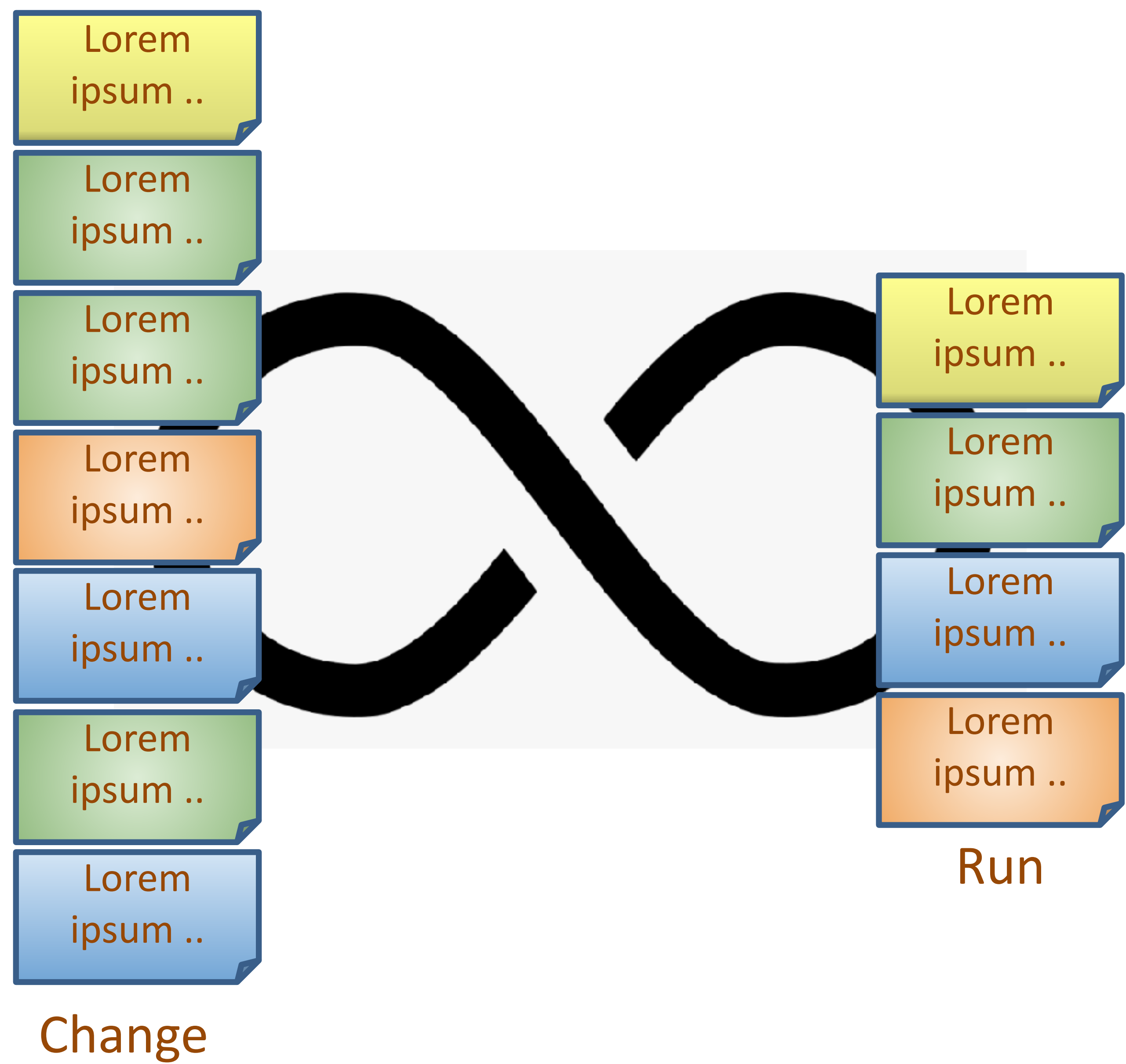
Lorem
ipsum ..

Lorem
ipsum ..

Lorem
ipsum ..

Lorem
ipsum ..

Second backlog



BOARDS

Long term

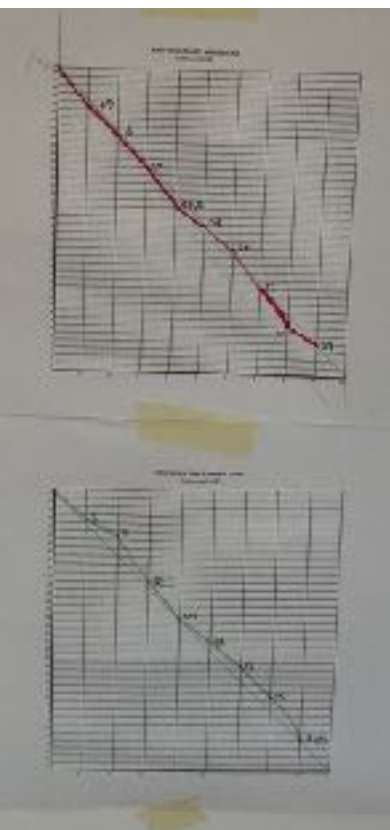
- 6-12 months

Medium term

- 1 month (Backlog + Siteworks needs/ambulances)

Short Term

- 2 weeks (Sprint)



Cost vs Benefit



Simplicity, the art of maximizing the amount of work not done, is essential.

Overload and Over scheduling



Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.

Work readiness



If i want install solar panels i need:

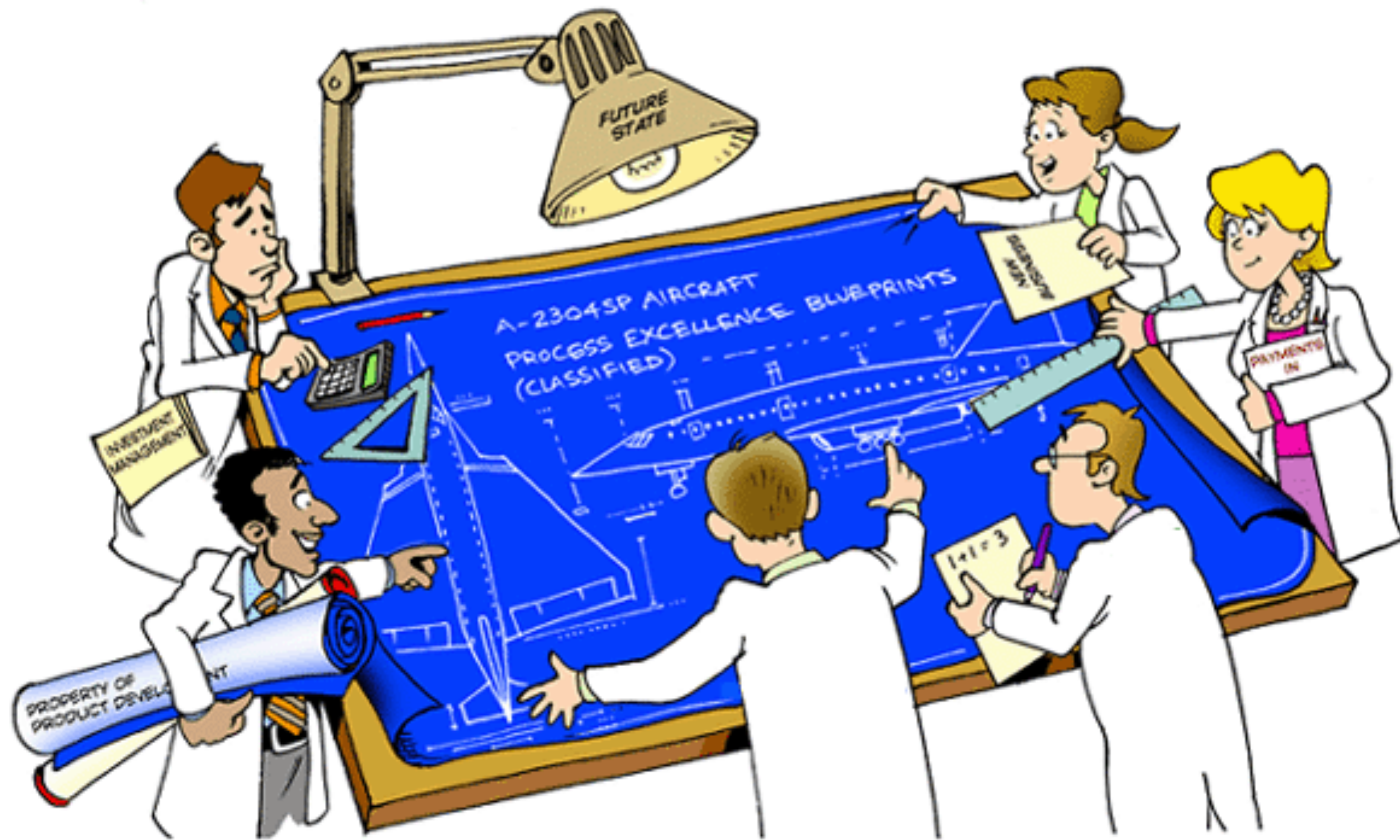
- solar panels
- a roof
- a stair
- free access
-

Process improvement



At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

Cooperative & crossteam projects



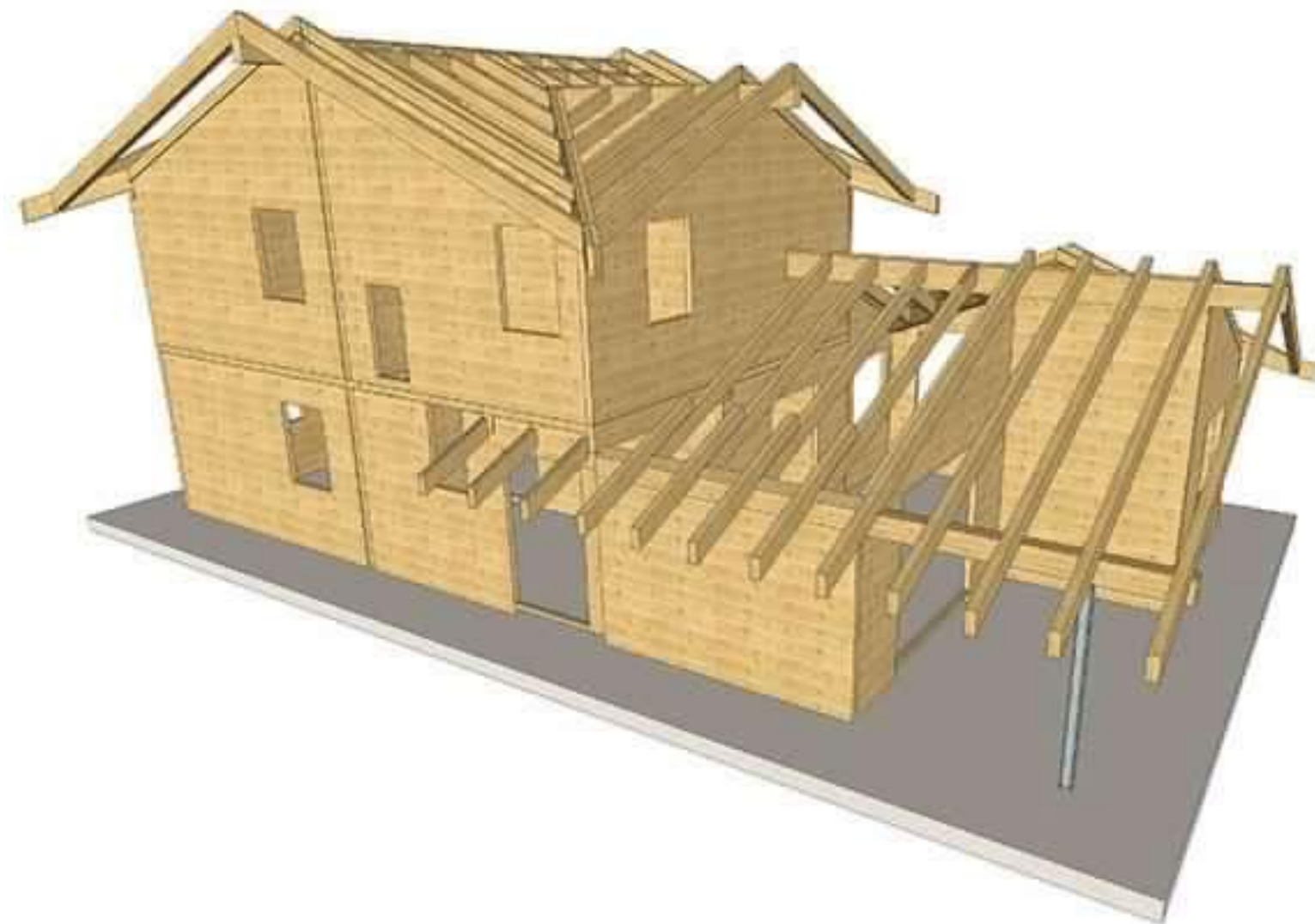
Greater is the number of people contributing to the design phase, less is the risk in building phase.

Stop project start building



Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage

Acceptance Criteria & Definition of Done



Sometimes stories are very ambiguous. Acceptance criteria are important in order to define when stories are really DONE.



Results

Encotech, Francesco's highlights (Our Benefits)



- we've done more things with less people
- customers are delighted visiting our scrum room
- we are "in control" of roadmap
- stop the line and call a "scrum" when problems are too big
- People onboarding is faster

POINT OF ATTENTION

Scrum Roles (aka Change management)

- PO needs to work more on the DoD, in order to maximize Quality Control and Time Expenditures on single project stories
- SM needs to enhance the Team sense of behavior and facilitate to spread different project stories between team people (priority pull)
- TEAM needs to be more transparent on help needs and to accept that team working is not a loss of «power» (team members tend to grow fond to «their» projects and to have a stronger Comfort Zone in them).
- TEAM needs to be more focused both on «Stop starting» and «Start finishing»