

Citycare Group 

A Decade of Transformative Data Integration with FME

Hua Zhong

Citycare GIS Team

Citycare
Water 

Citycare
Property 

Agenda

- Background
- Fun Facts
- Lesson Learned

Citycare Group 

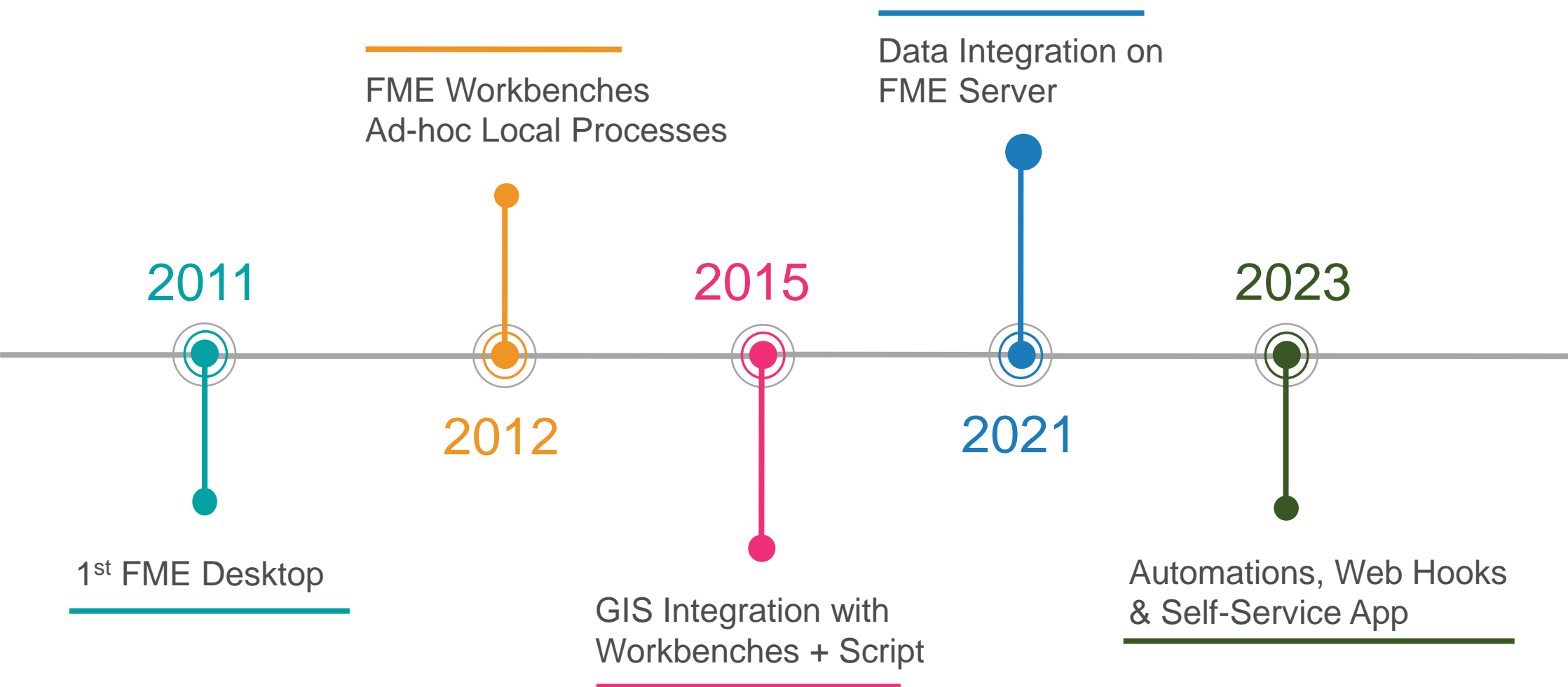
About Citycare

- 3 Waters Maintenance & Services
- Open Space Maintenance
- Facility Management

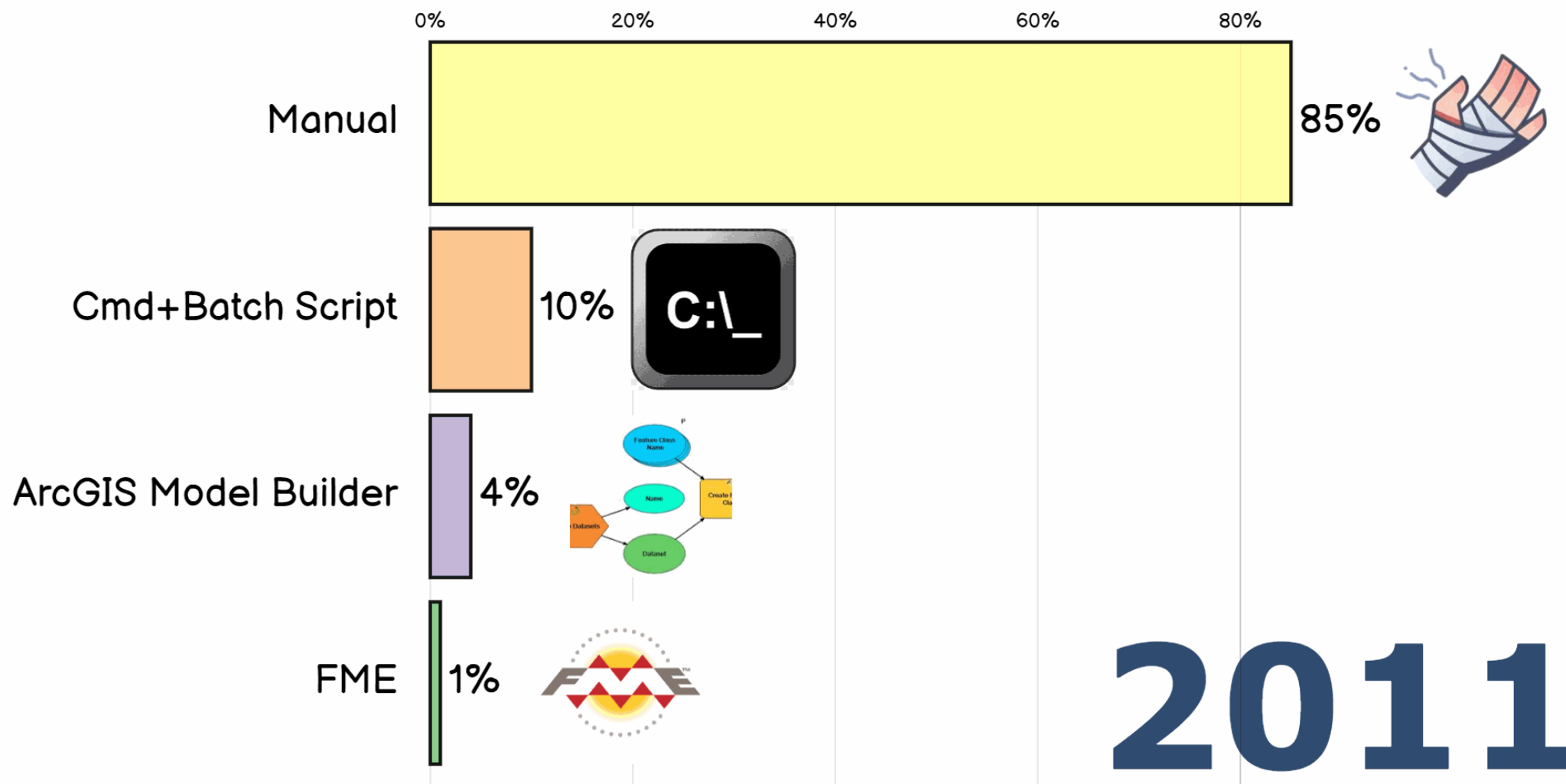
GIS at Citycare

- **Data Services & Integrations**
- Operations
- Reporting & Analytics
- Tender

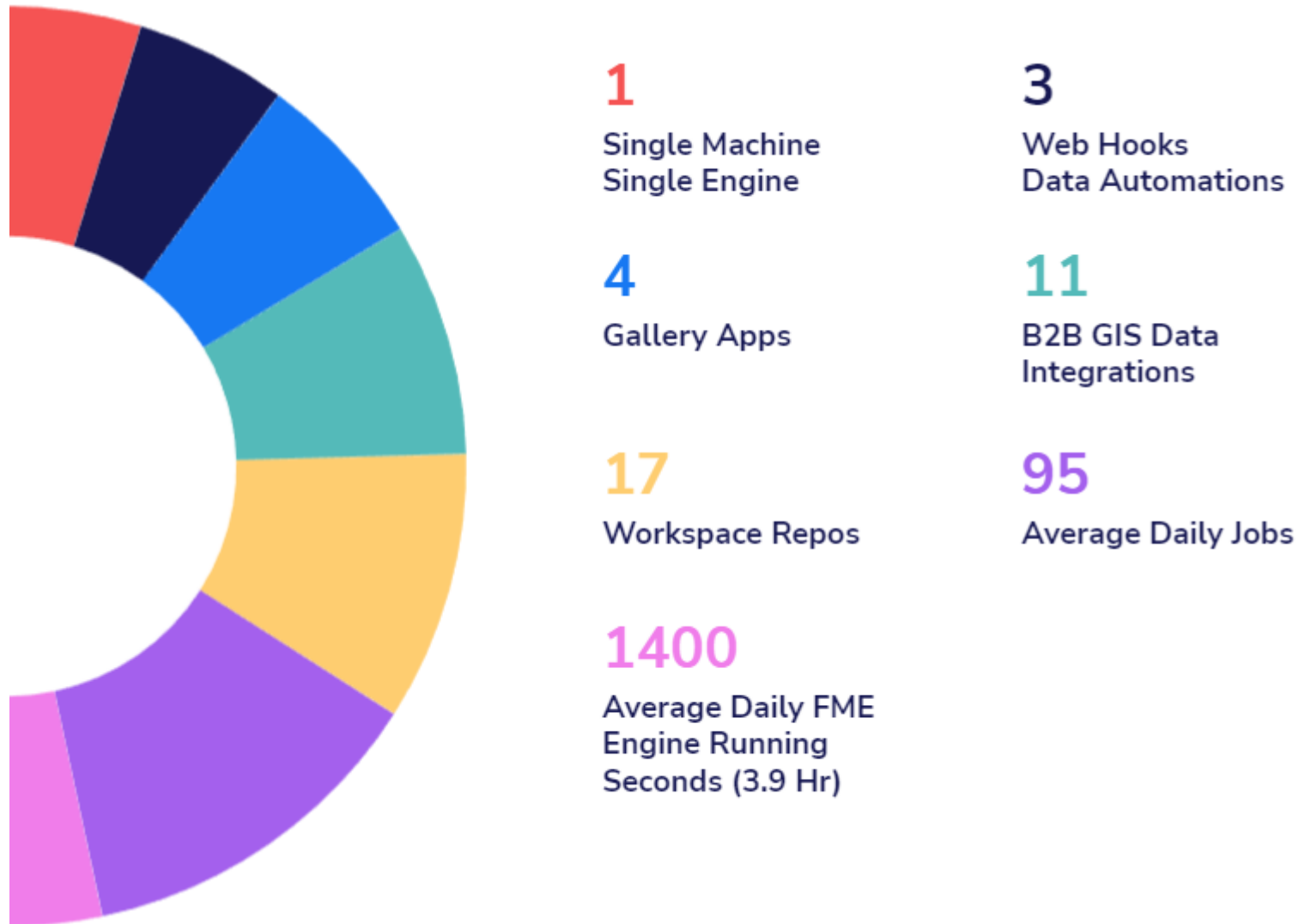
FME Adoption Timeline



FME for Data Integration



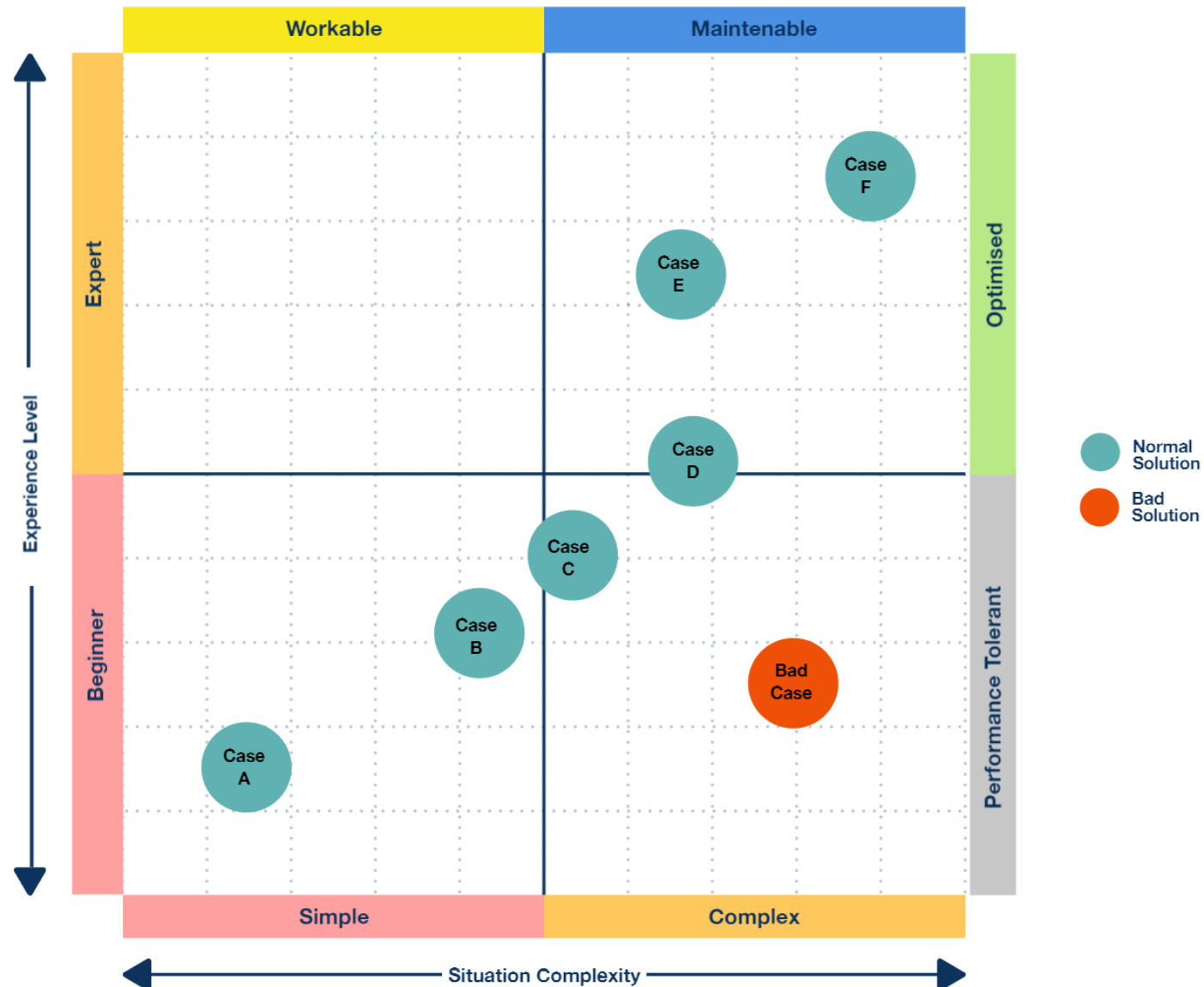
FME Server Stats





Top 5 Lessons Learned

#1 Different Stage, Different Focus



#2 Style Guide for Collaboration



#2 Style Guide for Collaboration

- Naming Convention
 - Folders, Files e.g. lowercase and underscores, no space
 - Databases e.g. uppercase and underscore, no space
 - Connections e.g. DBInstance-DB-User
 - Dates e.g. 20230531 for easy sorting
- Project Scaffolding
- Workspace Parameters (not user parameters)
- Embedded Documentation Guideline
e.g. bookmarks, colour code
- Dev Playground Area

Project Directory

- dist
- fme
- lib
- map
- output
- report
- source
- sql
- staging
- temp

#2 Style Guide for Collaboration



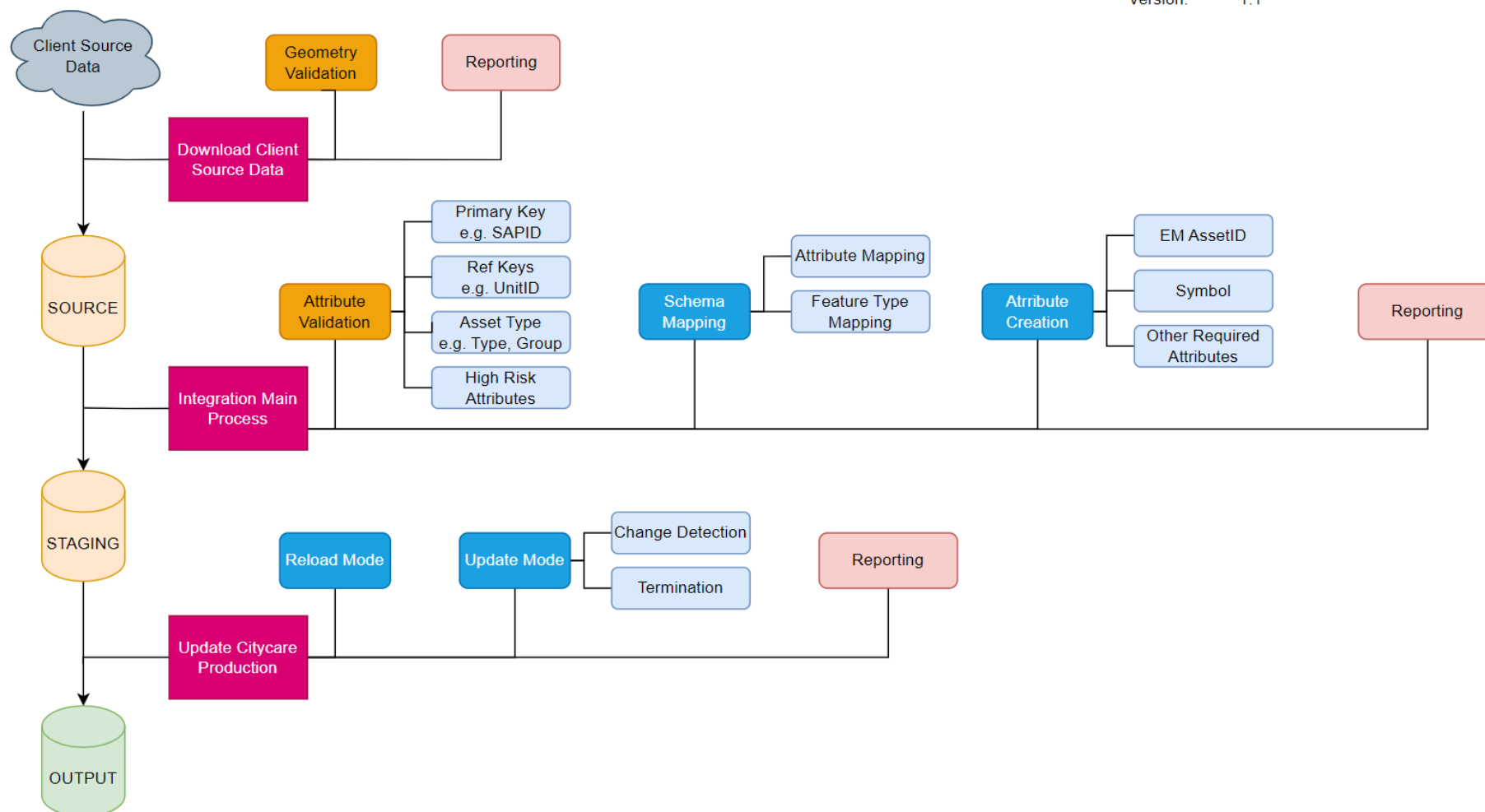
#3 Design Patterns

- Reusable Data Flow
- Modular Design
- Good Practices Embedded

#3 Design Patterns

Citycare GIS Data Integration Design (Generic)

Created by: Hua Zhong
Description: A generic GIS integration design guideline
Updated: 2023-03-23
Version: 1.1



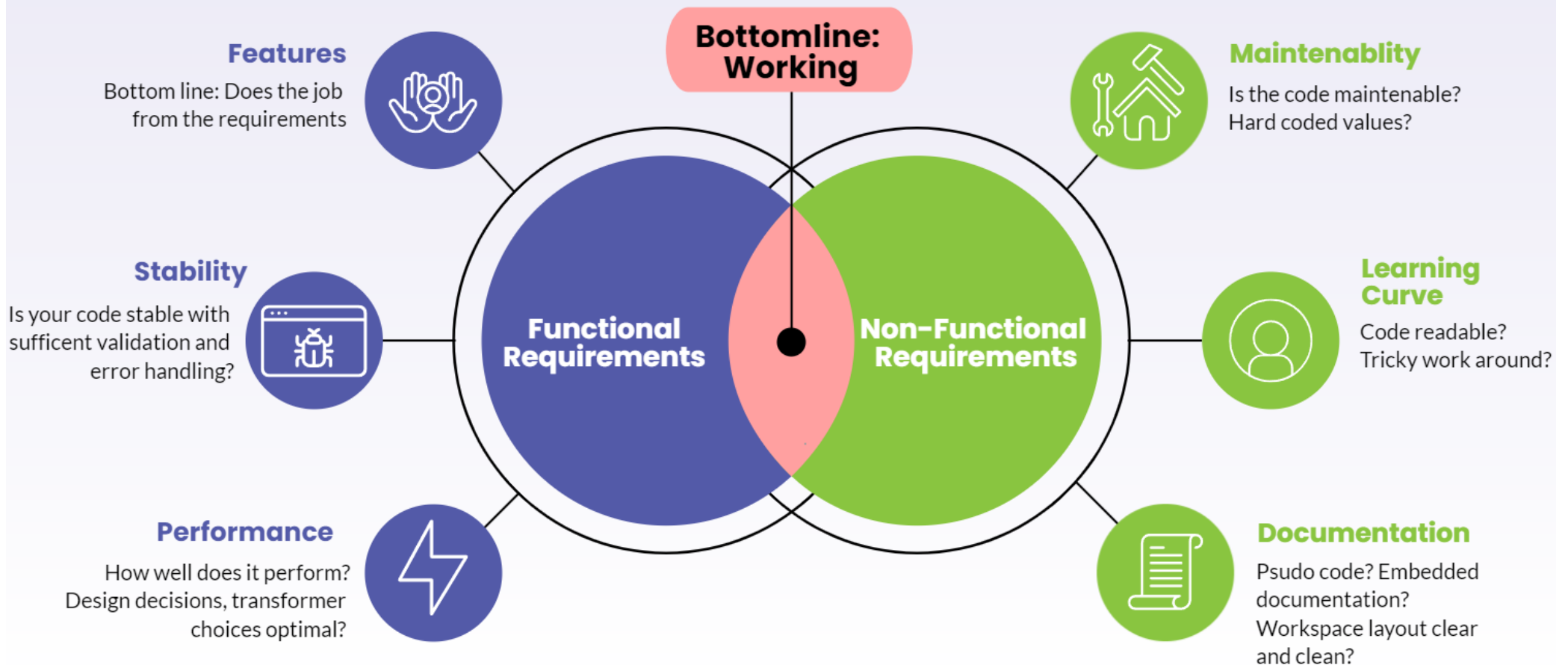
#4 Code Review



- Peer Review
- Review Check Points (Production Environment)

#4 Code Review

FME Code Review Check Points



#5 Less is More

- Critical Thinking
- Focus on Questions NOT Solutions
- Optimal Solution – Less Moving Parts

#Bonus: Training

- FME Instructor-Led Training by Locus
- FME Academy
- <https://community.safe.com/s/academy>
- FME Recorded Training Course
- <https://engage.safe.com/training/recorded/>
- FME Community
- <https://community.safe.com/>

Citycare Group 

Thank You