

# DEFINE | MEASURE | ANALYZE | IMPROVE | CONTROL

#### **DMAIC**

a structured
problem-solving
method where
each phase builds
on the previous
one –
implementing
long-term
solutions

A data-driven improvement cycle that controls what can be controlled, keeps factors stable over time, and improves and optimizes existing business processes

DMAIC is the method for improving, optimizing, and stabilizing **existing** business processes

## **Components of DMAIC**





Define the project goals and customer (internal and external) deliverables

MEASURE

Measure the process to determine current performance and capabilities

A ANALYZE

Analyze the data to identify waste and process inefficiencies

IMPROVE

Improve the process by eliminating waste and increasing process efficiencies

C ) CONTROL

Control future & sustainable process performance

### **DEFINE: Translate Customer Needs to Project Objectives**











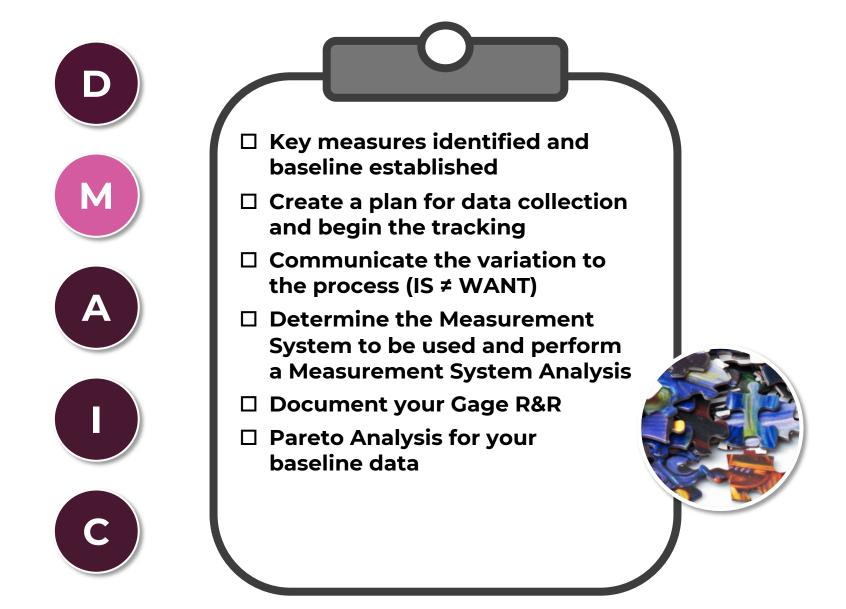




- ☐ Identify customer(s)
- □ Develop a team charter
  - Business case
  - Problem scope and goal statements
  - Communication plan
- ☐ Ensure team readiness
- □ Develop a process map
- ☐ Identify and assess potential risk
- ☐ Capture Voice of the Customer (VOC)
- □ Define Critical to Quality Requirements

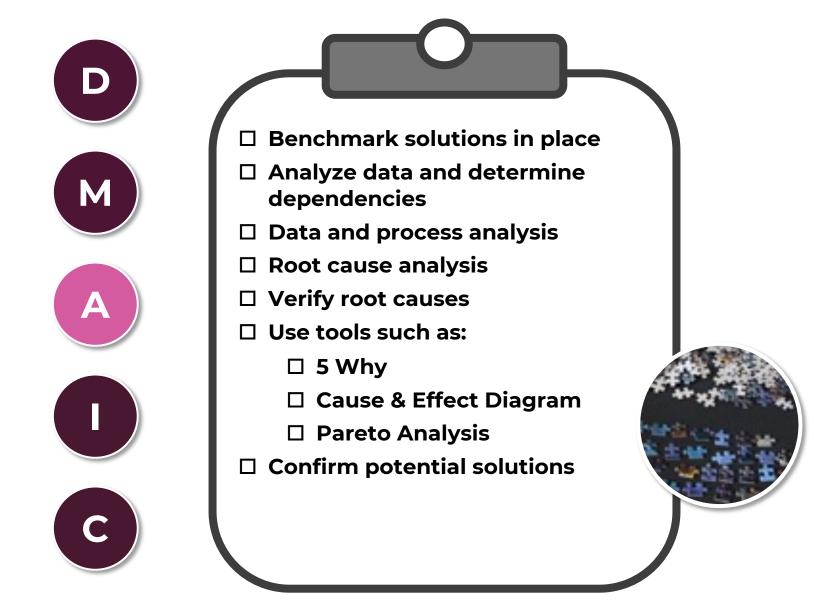


# MEASURE: Identify the gap between current and required performance



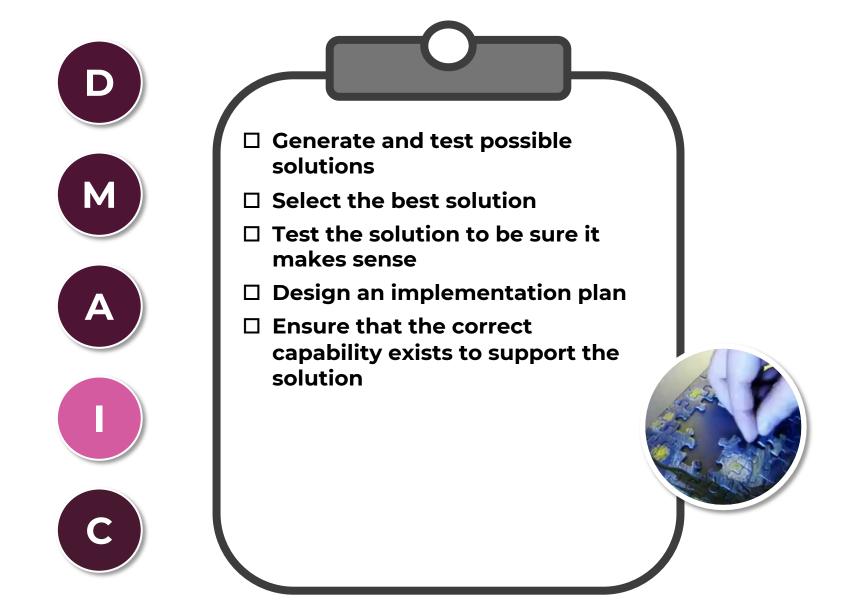
### ANALYZE: Find the root cause for the performance gap





## IMPROVE: Close the gap between current and desired performance







### **CONTROL: Maintain improved state & results to establish new baseline**



