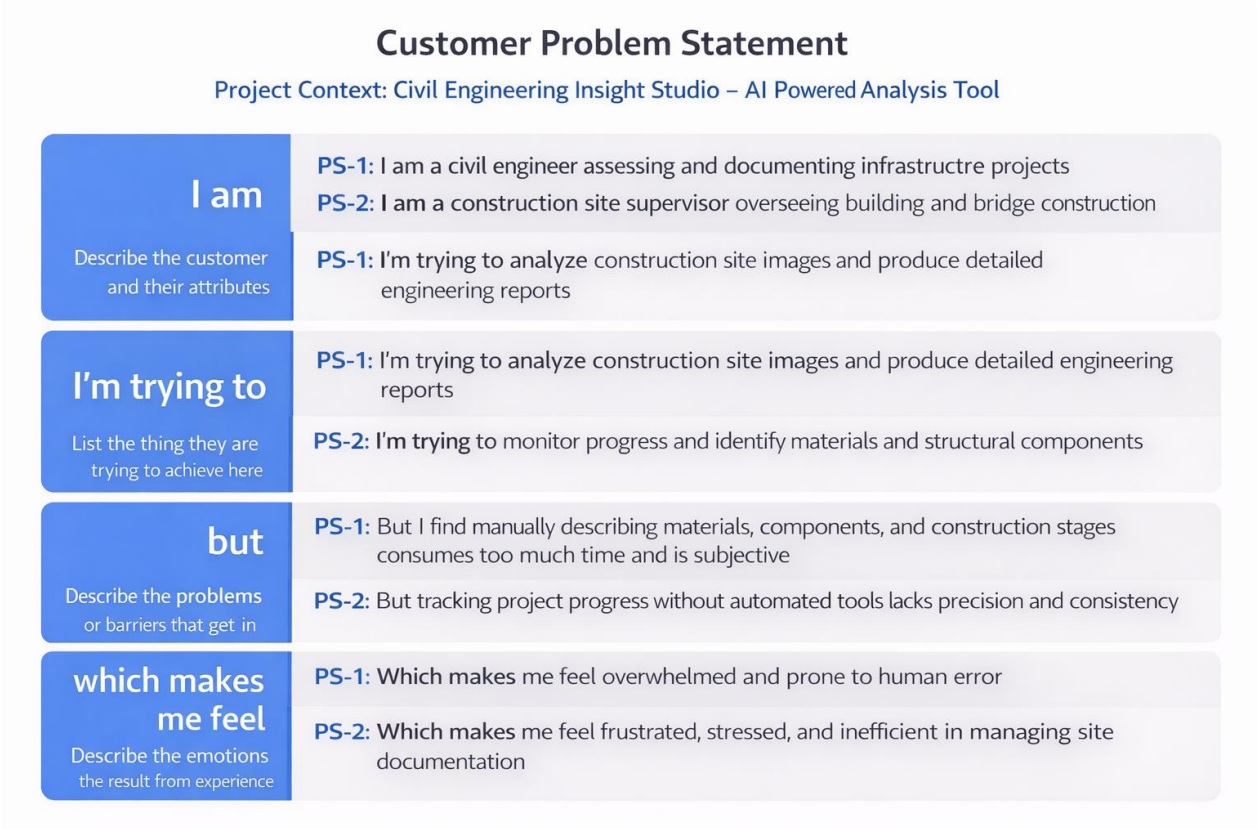
Ideation Phase
Define the Problem Statements

Date	2 February 2026
Team ID	LTVIP2026TMIDS62350
Project Name	Civil Engineering Insight Studio
Maximum Marks	2 Marks

Customer Problem Statement:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal A well-articulated customer problem statement helps in understanding the challenges faced by civil engineers and construction professionals. It enables the team to empathize with users and design an AI-powered solution that simplifies structural analysis and documentation.



Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A civil engineer responsible for structural inspection and reporting	Analyze construction site images and generate detailed engineering documentation	Manually identifying materials, structural components, and construction stages from images takes too much time and effort	Accurate structural documentation requires technical expertise, careful observation, and structured reporting	Overwhelmed, time-pressured, and concerned about missing critical structural details
PS-2	A construction site supervisor managing multiple infrastructure projects	Monitor project progress and document materials and structural elements using site images	There is no automated tool that provides consistent and structured analysis directly from construction images	Traditional reporting methods rely heavily on manual interpretation and subjective judgment	Frustrated, inefficient, and stressed about maintaining accurate and timely project documentation