



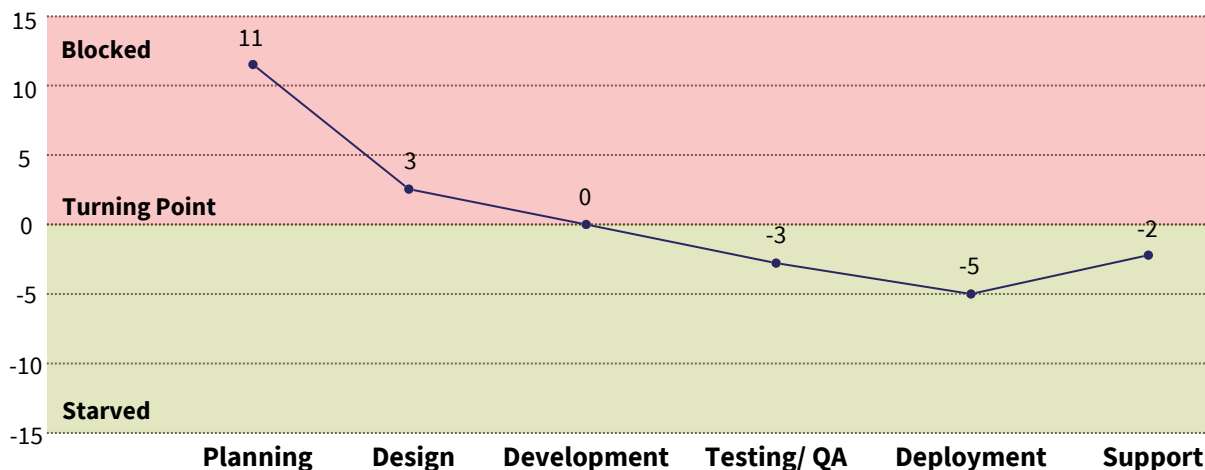
DYNAMIC BOTTLENECK IDENTIFICATION

A real-time monitoring framework that pinpoints exactly where work is piling up across any process. By tracking the moment "blockage" flips to "starvation," teams can find the turning point that needs attention right now, not after the damage is done.

Why It Matters

Bottlenecks don't just create waste in the form of re-works, duplicated efforts, and endless workarounds. They quietly impede growth, affect morale, and stall progress toward important goals. Dynamic Bottleneck Identification enables organizations to embrace a preventative response to bottlenecking, thereby gaining confidence that the micro is being real-time audited and adjusted so that growth imperatives have a more likely chance to thrive.

It does so by relying on two concepts: "blockage," any point in a process that has a backlog and "starvation," any point with open capacity waiting on a previous step to finish. The exact moment blockage switches to starvation — the "turning point" — tells leaders precisely where to intervene, shifting organizations from a reactive to a preventative posture.



Above is an example of bottlenecking in a typical software development or project management lifecycle. Whereas traditional bottleneck metrics track the percentage that each stage spends in a "blocked" or "starved" state, instead this data visualization shows the extent to which stages are blocked or starved at any given moment.

Here, there are currently three items stuck in "Design" because developers are too busy to move them forward. Similarly, the QA team has the capacity to test three things right now but can't as they are waiting on development. This visualizes Development as the "turning point" — the stage where items are bottlenecking, and which needs the most attention right now.