



The Technology Value Stream

By

Javonta Young



Value Stream


-the sequence of activities necessary to deliver a product, service or experience to a customer, internal or external.

Value streams include every touchpoint on the journey from idea generation to delivery of value to customers. Without this knowledge, you won't know what is working and where you have problems. Every company has one even if they do think they do.

A large orange circle is positioned on the left side of the slide, partially cut off by the edge.

Purpose of VSM

Is to make sure that changes are made with the customer's interest in mind, so they don't add more than that needs to be added which lowers waste. Value Stream reduces cost by identifying what work is unnecessary which saves resources and time. VSM also reduces the unpredictable outcomes that could happen. By having real-time data available throughout the organization lets people track initiatives and adapt to changing corporate priorities.

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Defining Lead Time vs. Processing Time

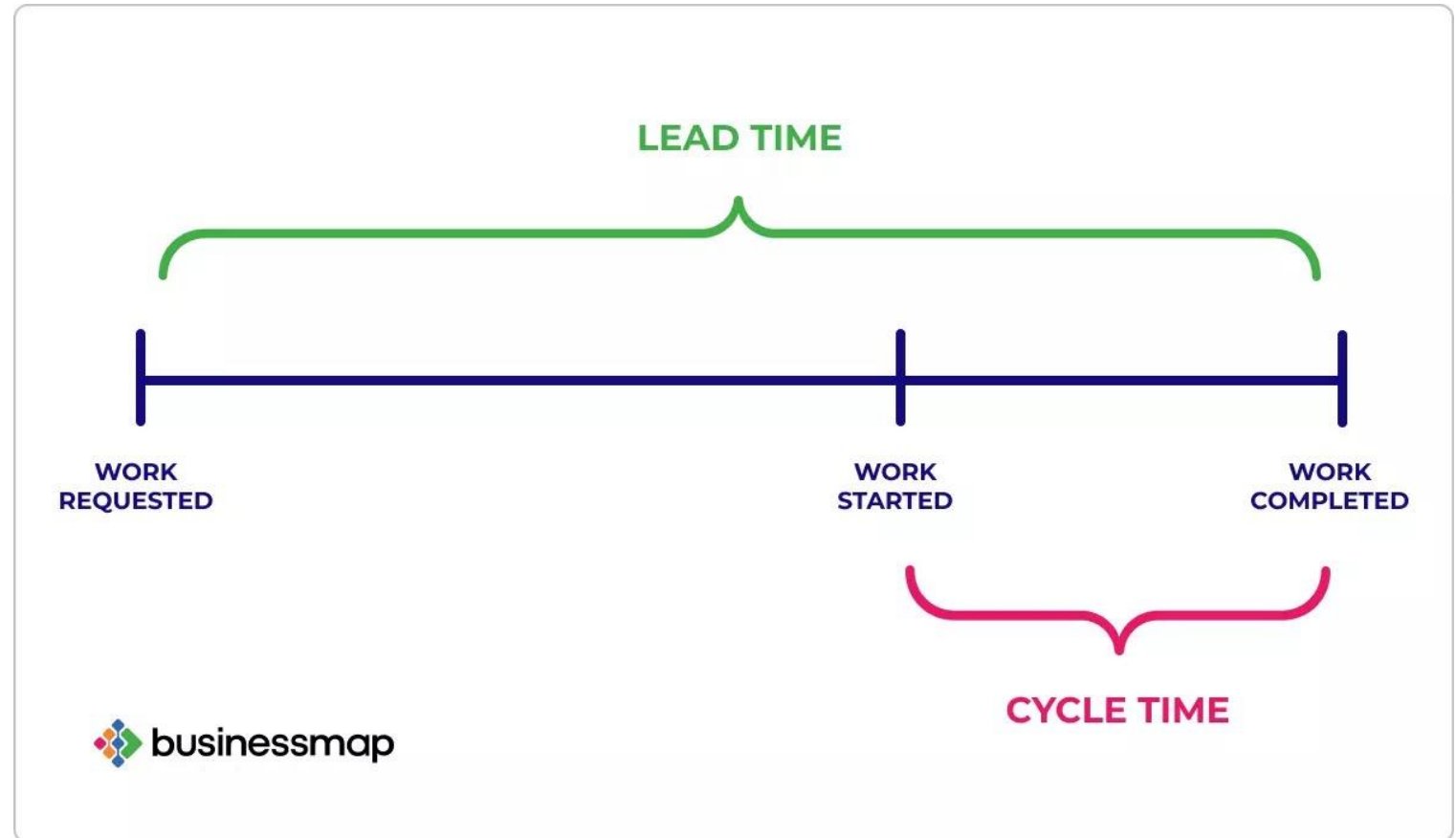
Lead time is the time between the start and end of a process, while process time is the time it takes to complete a specific activity within a process.

Processing time is the time it takes to complete a specific activity within a process.

Even though developers think about the cycle time, customers think about the lead time. So, having developers know when it was created also lets them know how important it is to work on that to get it fixed for the customers.



Defining Lead
Time vs.
Processing
Time
(cont'd)






The Common Scenario: Deployment Lead Times Requiring Months



Many companies find themselves in long wait times because they are waiting on approvals, long manual testing and more. Even with all the testing and long waiting time for approvals, it could not work at the end of the process. This leads to poor customer satisfaction and then more days and months on reworking the problems again.

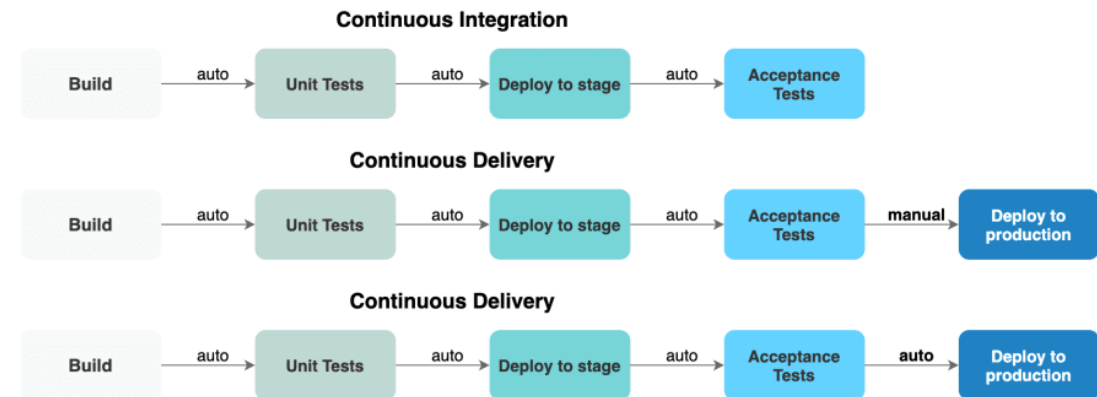
This is known as Continuous development.

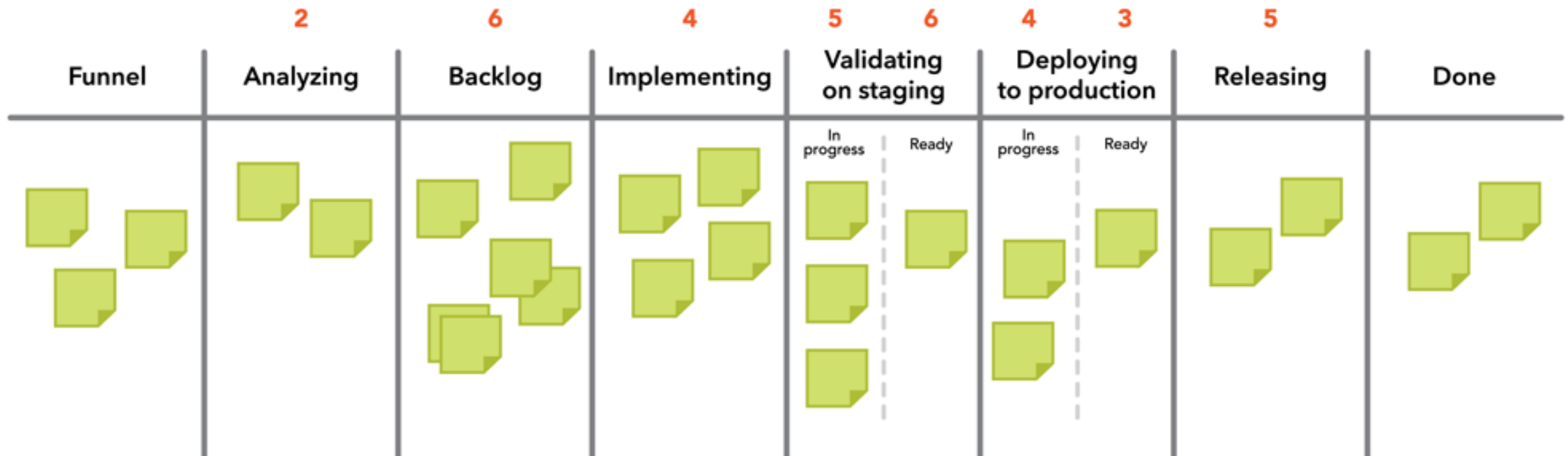


Our DevOps Ideal: Deployment Lead Times of Minutes

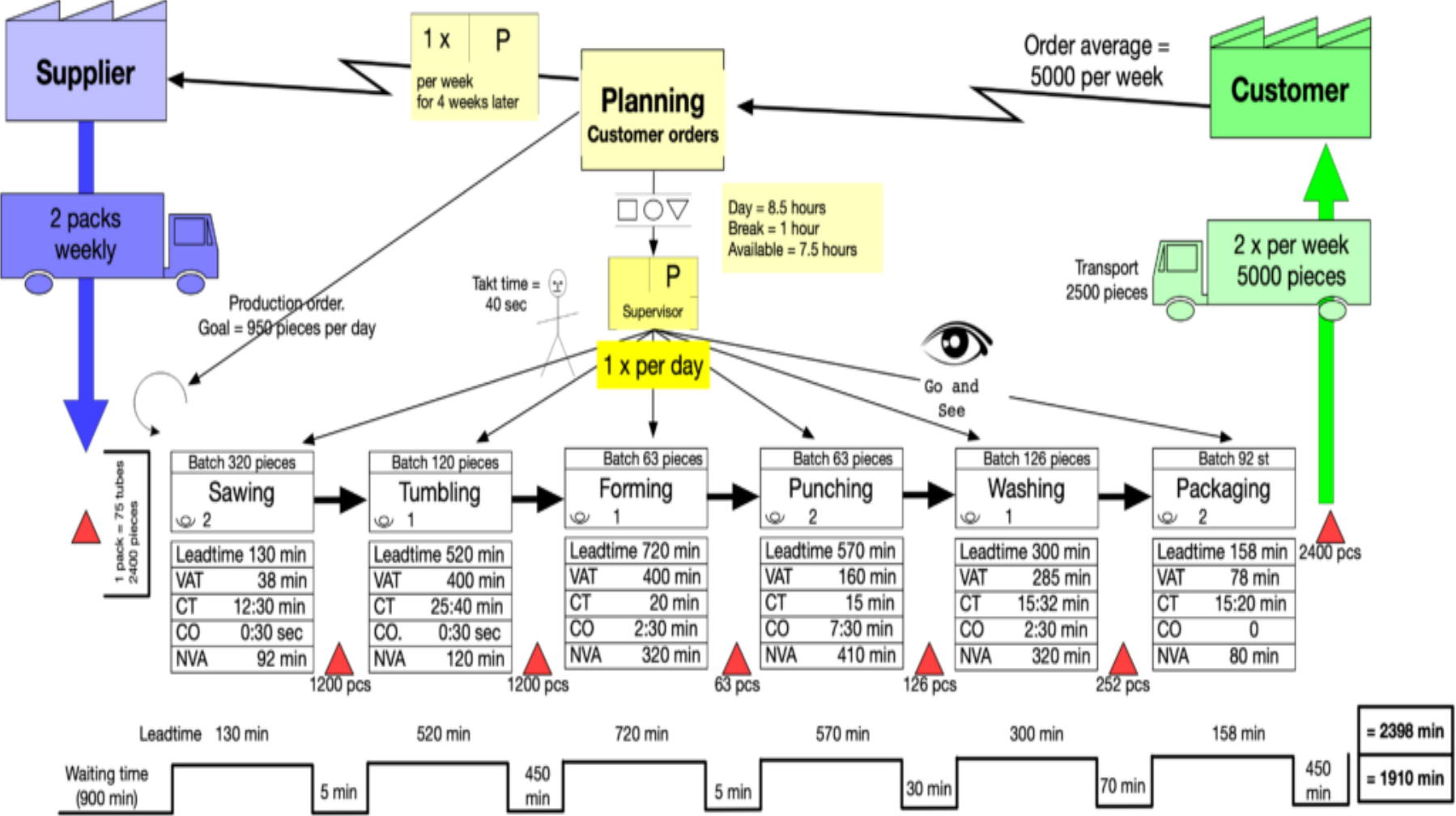
To not make things take months DevOps have found that it is better to receive quick feedback which can help them fix, implement, integrate and test the new code. By making small changes into the code helps ensure that it works and creates an environment to where the team knows it works and produces faster deployments for customers as well.

This is known as Continuous Deployment.





Process: Aluminium Tube
Owner VSM: www.dmaic.com



Resources

<https://www.atlassian.com/agile/value-stream-management>

<https://www.isixsigma.com/methodology/lead-time-vs-cycle-time-whats-the-difference/>