Continuous Delivery For COMPETITIVE Advantage

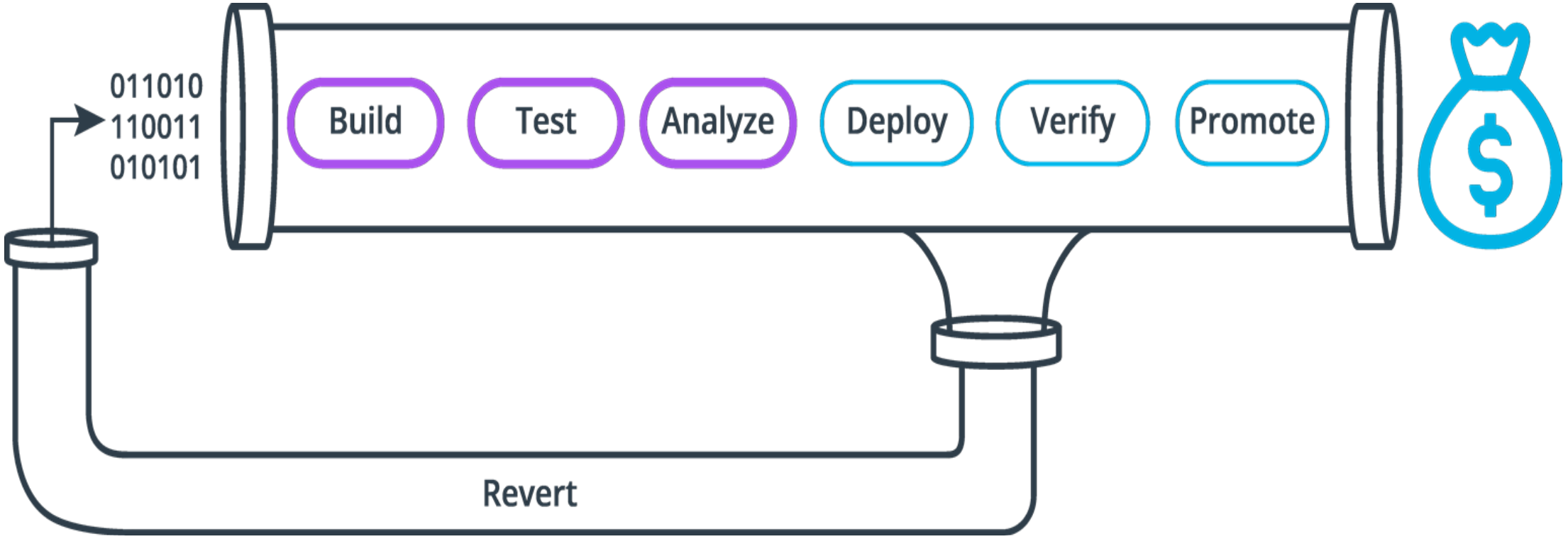
(CI/CD)

Our **Engineering R&D Team** lead an initiative with a Goal of **Development Process Improvement**. Herein, We found stunning insight which are going revolutionize our **Product Delivery Process** by boosting the **product time-to-market** and **customer satisfaction** rate. While so, we **ensure cost reduction**.

The innovation will be introduced in **Product Development Life-Cycle**, inline with the existing Agile Principles **without any overhead**.

We are talking about **Continuous Delivery Practice**. As the states it is a Practice, a new industry paradigm for **Fast Software Products Delivery**, with **reduced costs** – aligned with our Agile Framework.

CONTINUOUS DELIVERY PIPELINE



Continuous Delivery is a practice encompassing **Continuous Integration (CI)** of Small Pieces of Codes and **Continuous Deploy (CD)** of Integrated Built Software.

By continuous, we mean multiple iterations over small features to ensure **Code Bugs Control** performing code **build, testing and scanning** prior deploy any infrastructure.

Only error free code will be deployed. The development is based on **Test-driven Approach** to ensure only small pieces of code are tested in **small-amount of resources time** – implying **reduced cost**. Test can be run leveraging developers' resources – mostly developer local machine and repositories.

Also, continuous delivery require limited deployment infrastructure provisioning.

We deploy infrastructure in short-time for necessary for Product Performance Verification – with is Continuous Deployment Part of the Practice. Short-time result **significant cost reduction** by **automatically disposing resources** when verification fail or Software Final Test Pass and is promoted (delivered to customer).

Final Testing involve taking down old (in-production) product and replacing with the new one.

Here are the whys, we need to adopt Continuous Delivery:

- We are Investing **more time in** a release cycle than delivering value
- Deployments contribute to **schedule slip**
- **Only one engineer** can deploy a system
- **We are failing to meet Customer Expectation even** when products a re delivered on time.

Following we summarize some of benefits when adopting Con tinuous Delivery in our Product Development Life-Cycle:

- Prevent embarrassing or costly security holes
- Less bugs in production and less time in testing
- Avoid costs by ensuring Less human error, Faster automated deploy ments
- Less infrastructure costs from unused resources
- Reduced downtime from a deploy-related crash or major bug

THANK YOU