

有个产品经理...

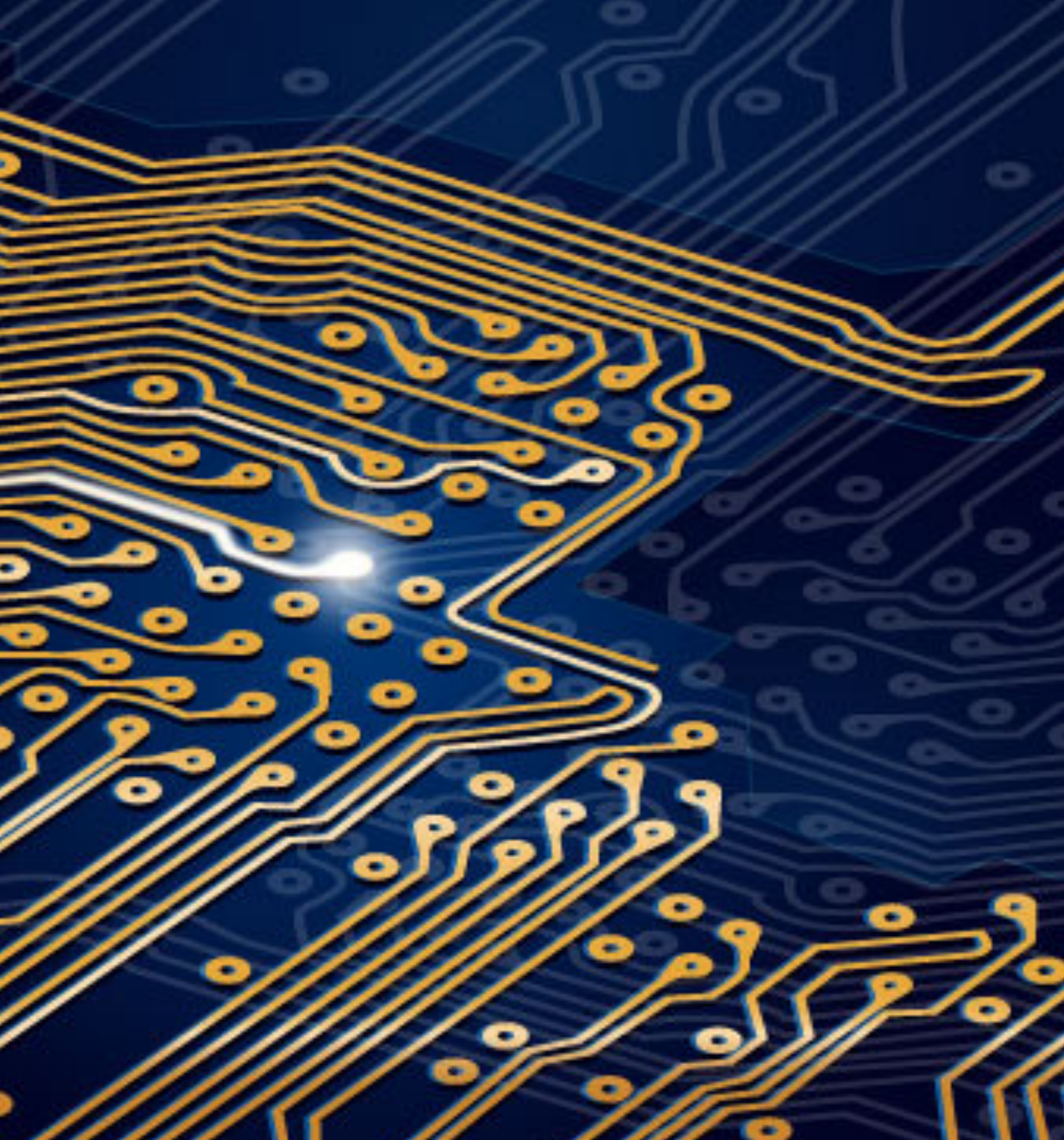
既有硬件开发流程



瀑布式研发

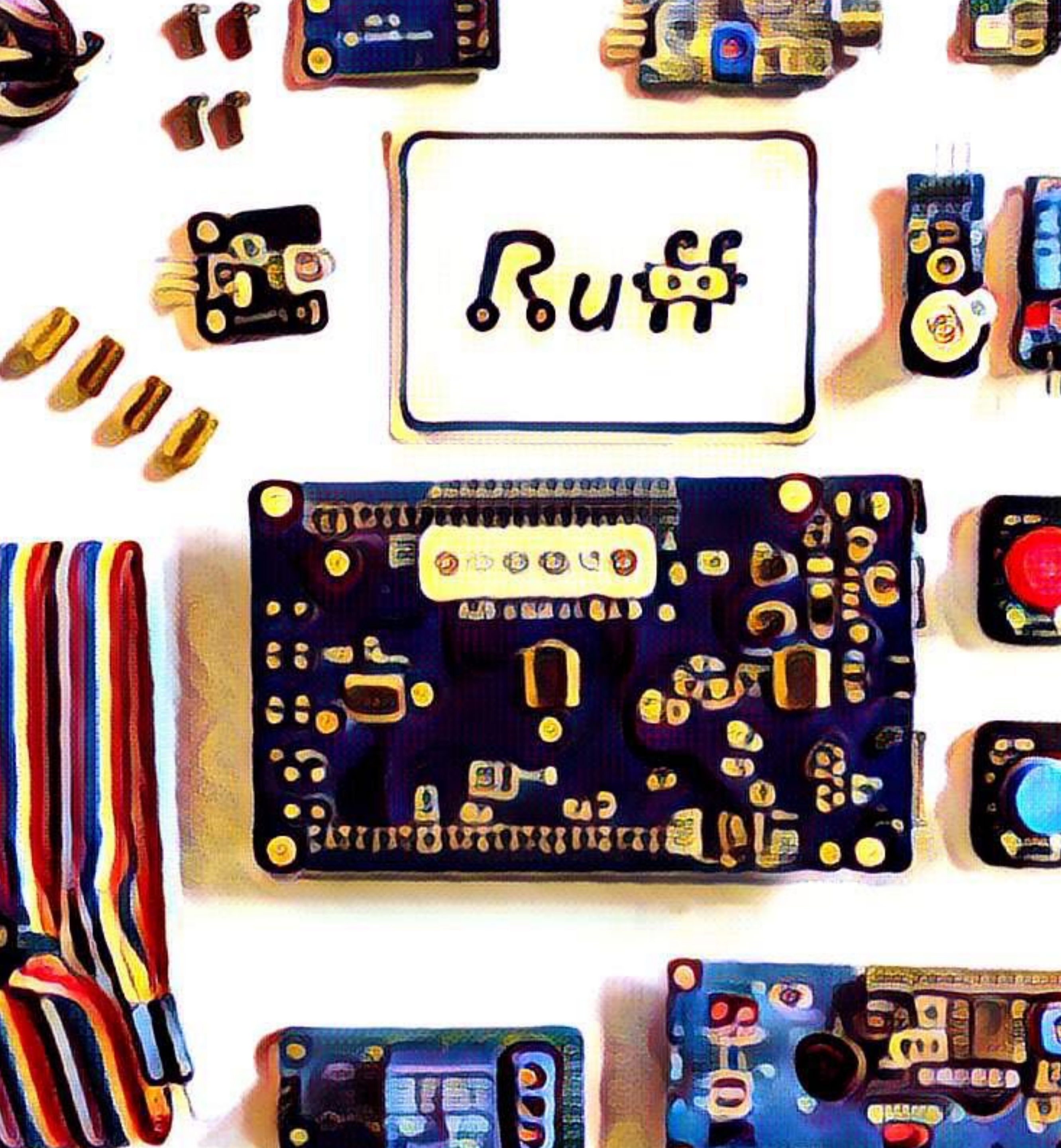
难以响应变化

精益创业+敏捷开发： 持续验证需求



硬件开发不敏捷？

硬件 + IoT 平台 + IoT 应用



Ru#

```
'use strict';
```

```
$.ready(function (error) {  
    if (error) {  
        console.log(error);  
        return;  
    }
```

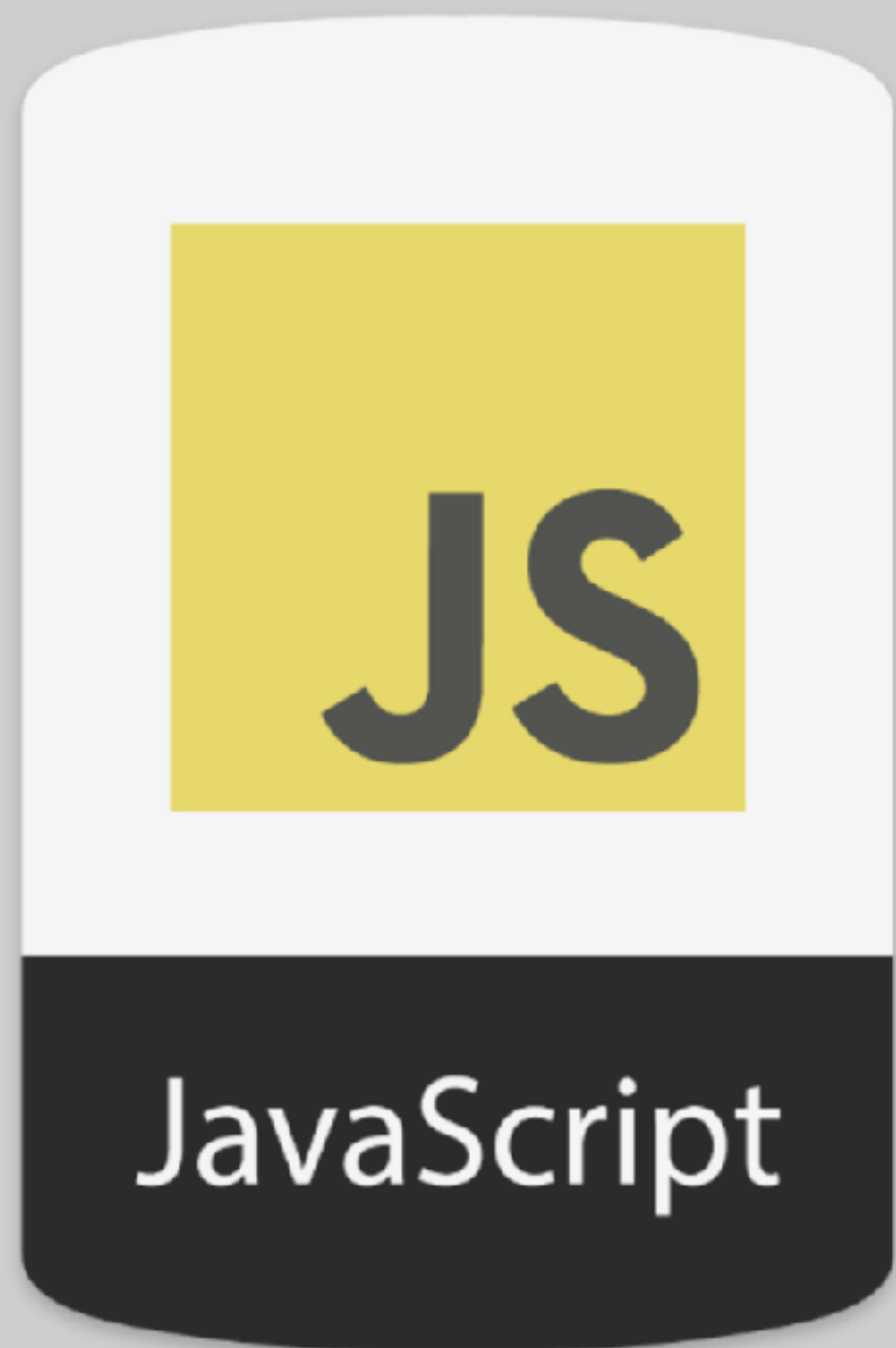
```
    $('#led-r').turnOn();  
});
```

```
$.end(function () {  
    $('#led-r').turnOff();  
});
```

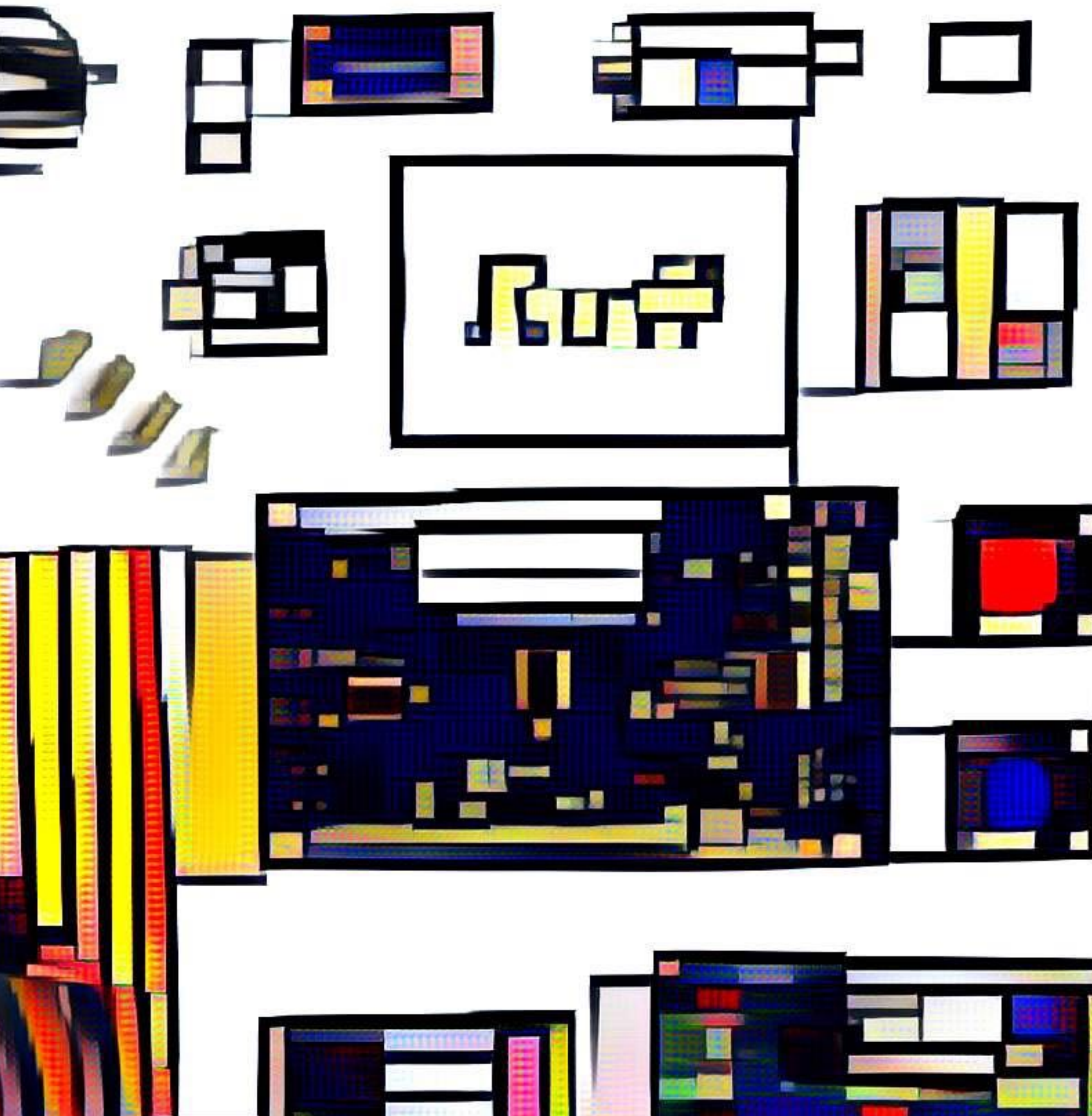
AGILE
DEVELOPMENT
CONFERENCE
EAST

BETTER
SOFTWARE
CONFERENCE
EAST

技术敏捷

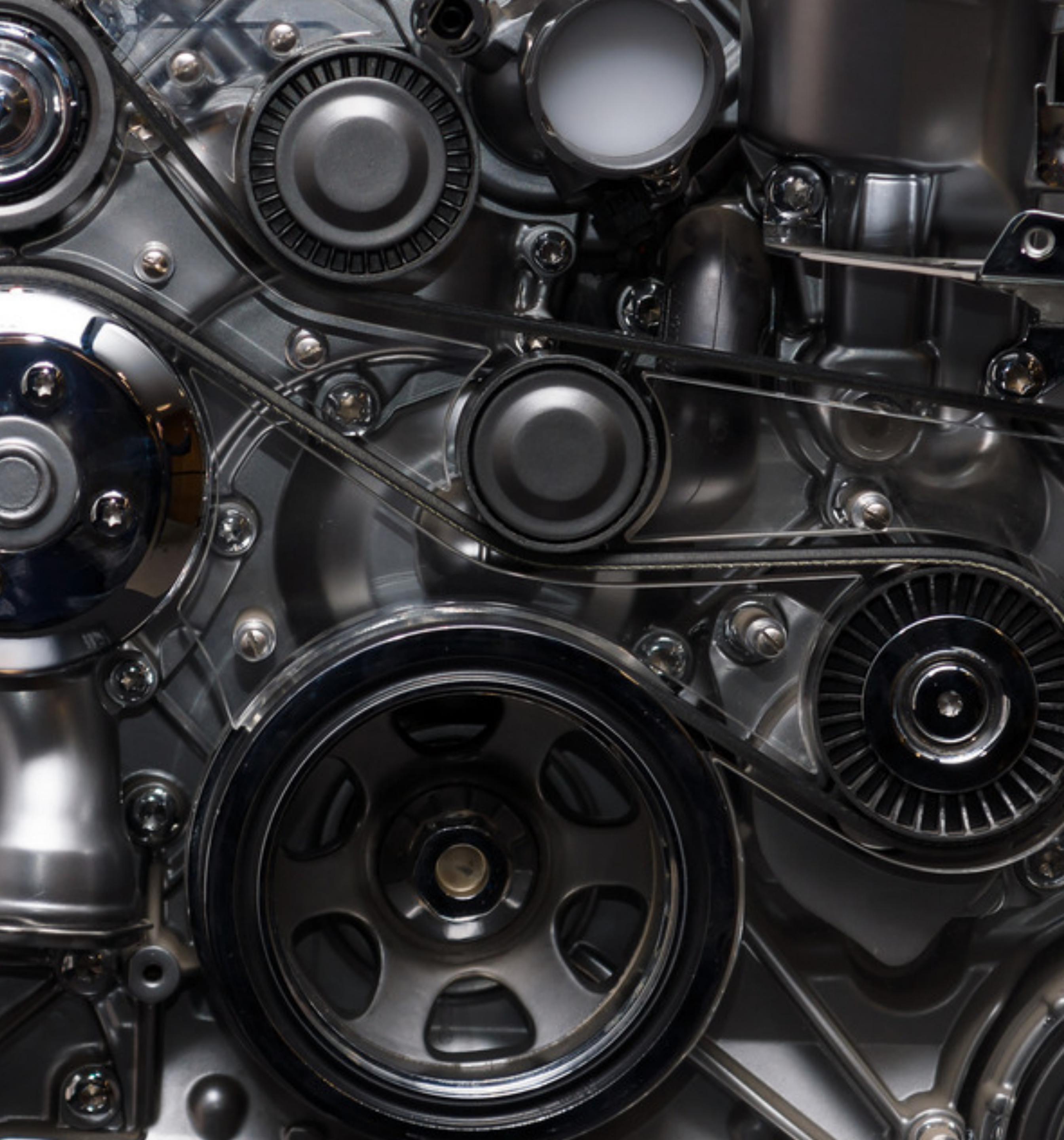


现代开发语言



硬件抽象

面向应用开发者

A detailed, close-up photograph of a car engine, showing various components like the timing belt, pulleys, and a large fan. The image is in grayscale, emphasizing the mechanical complexity and textures of the engine parts.

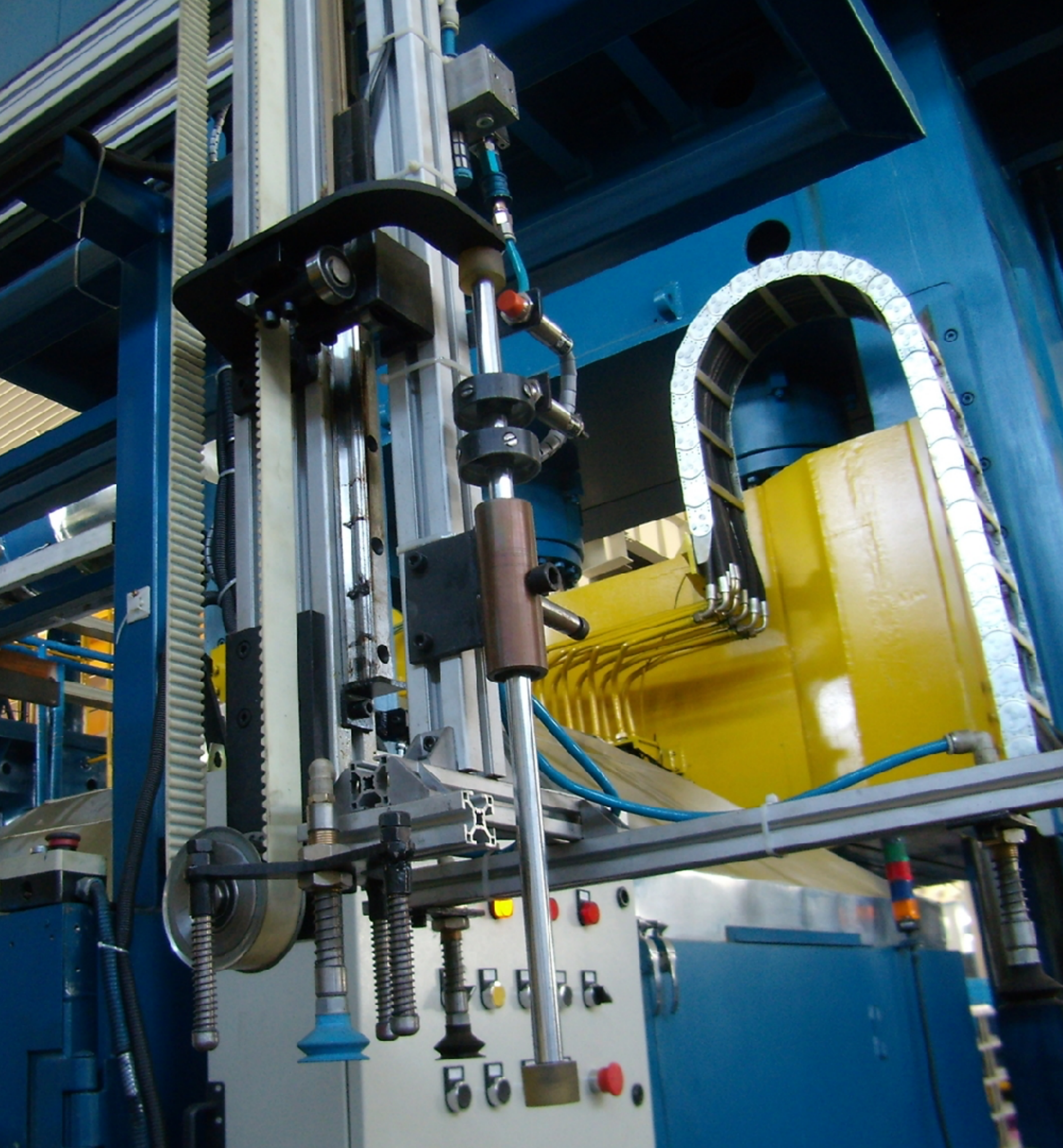
面向生产

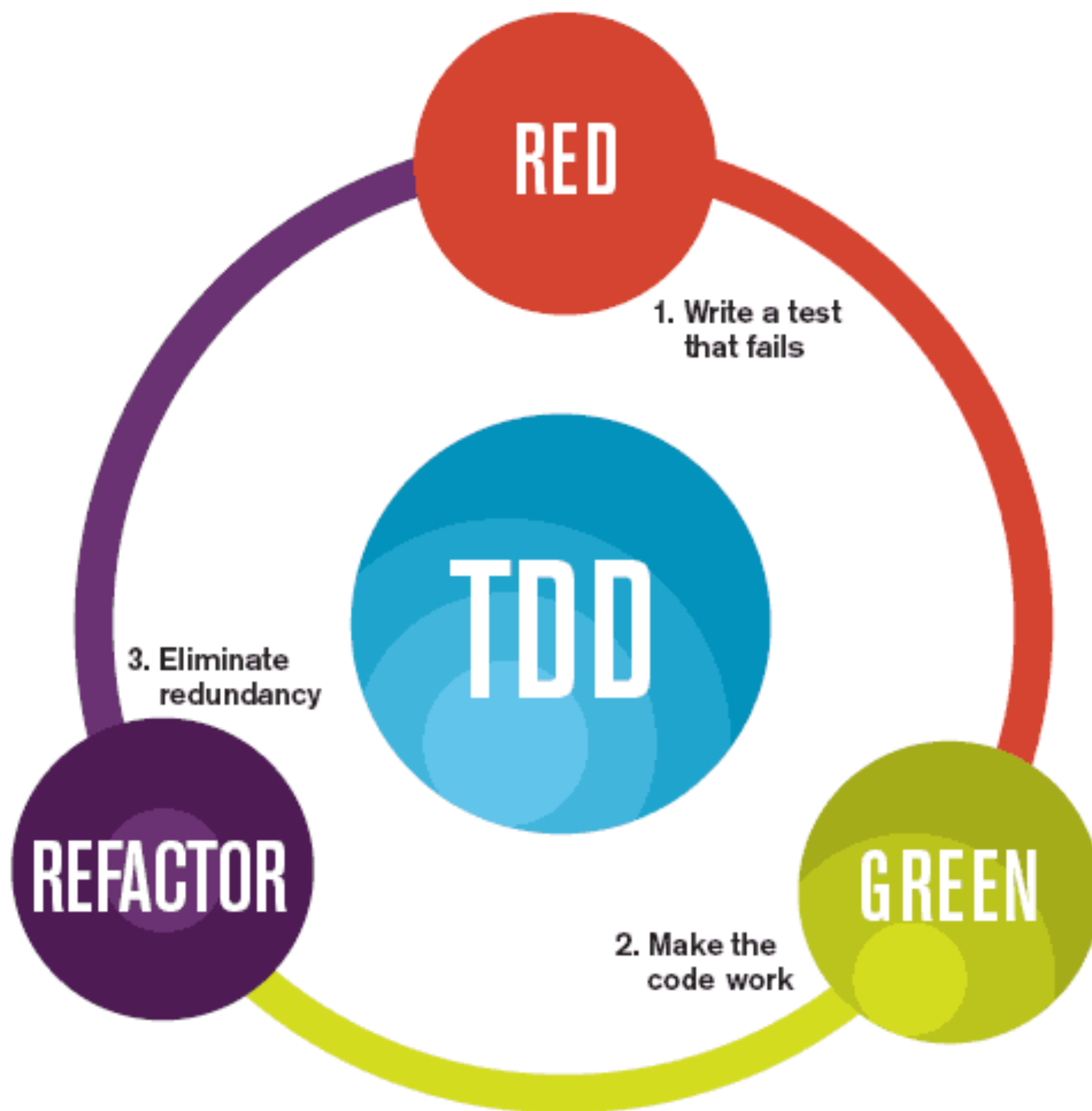
分离配置与代码



软件仓库
无限可能

自动化支持





测试驱动开发

The mantra of Test-Driven Development (TDD) is “red, green, refactor.”

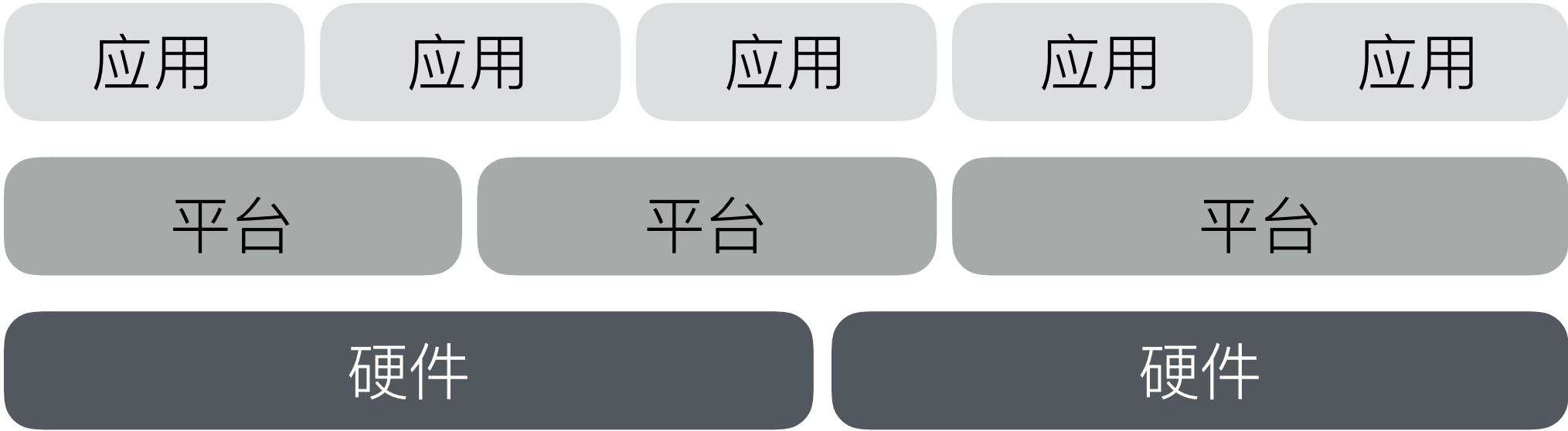


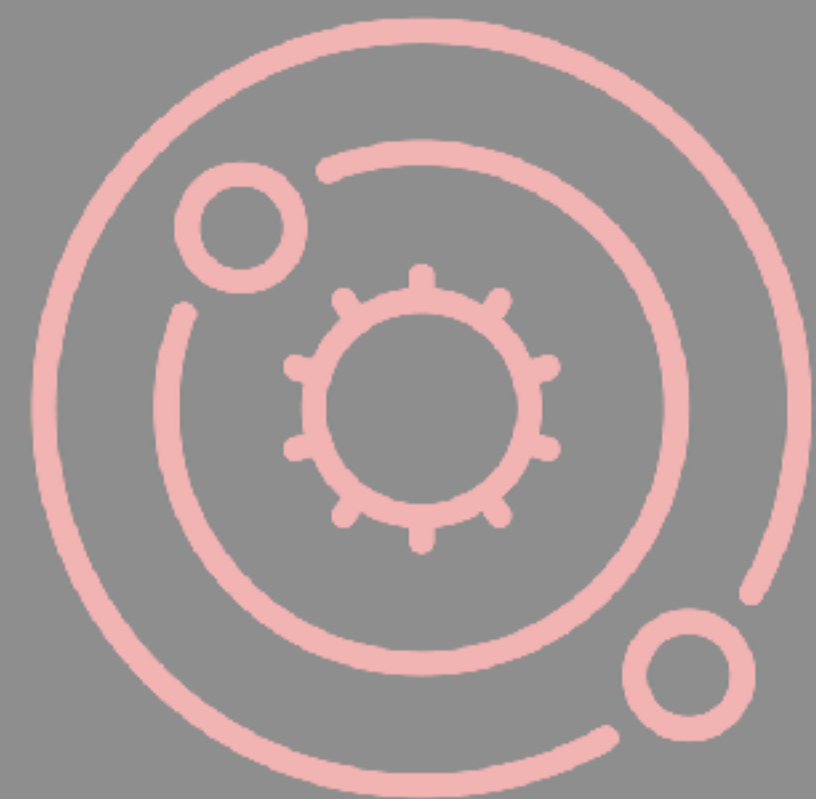
业务敏捷

原型开发： 快速验证需求

基于 Ruff 的

硬件应用发布





原型产品

盒装组件



量产
无缝移植

Ru#

软件定义硬件

谢谢