Diagram 1: Event Handling State Machine

- (start) → **Waiting for Event** : Created
- **Waiting for Event** → **Event Received** : Event Added
- **Event Received** → **Event Handling** : Event Processing
- **Event Handling** → **Waiting for Event** : Event Completed
- **Waiting for Event** → **Shutting Down** : Shutdown signal

Diagram 2: Drone State Machine

- (start) → **Idle** : Created Drone()
- **Idle** → **Enroute** : fightFire()
- **Enroute** → **Deployment** : enroute()
- **Deployment** → **Returning** : deployAgent()
- **Returning** → **Idle** : returnToBase()