

# AE NPI MANAGEMENT SYSTEM

Streamlining milestones, modules, tasks, and approvals for Intel’s Assembly Engineering.

## Problem

Product status lives in spreadsheets, emails, and chats → slow updates, unclear ownership, missed deadlines.

## Solution

A centralized web app to plan products, set milestones/modules, assign tasks, attach evidence, and track progress in real time.

### Key Features

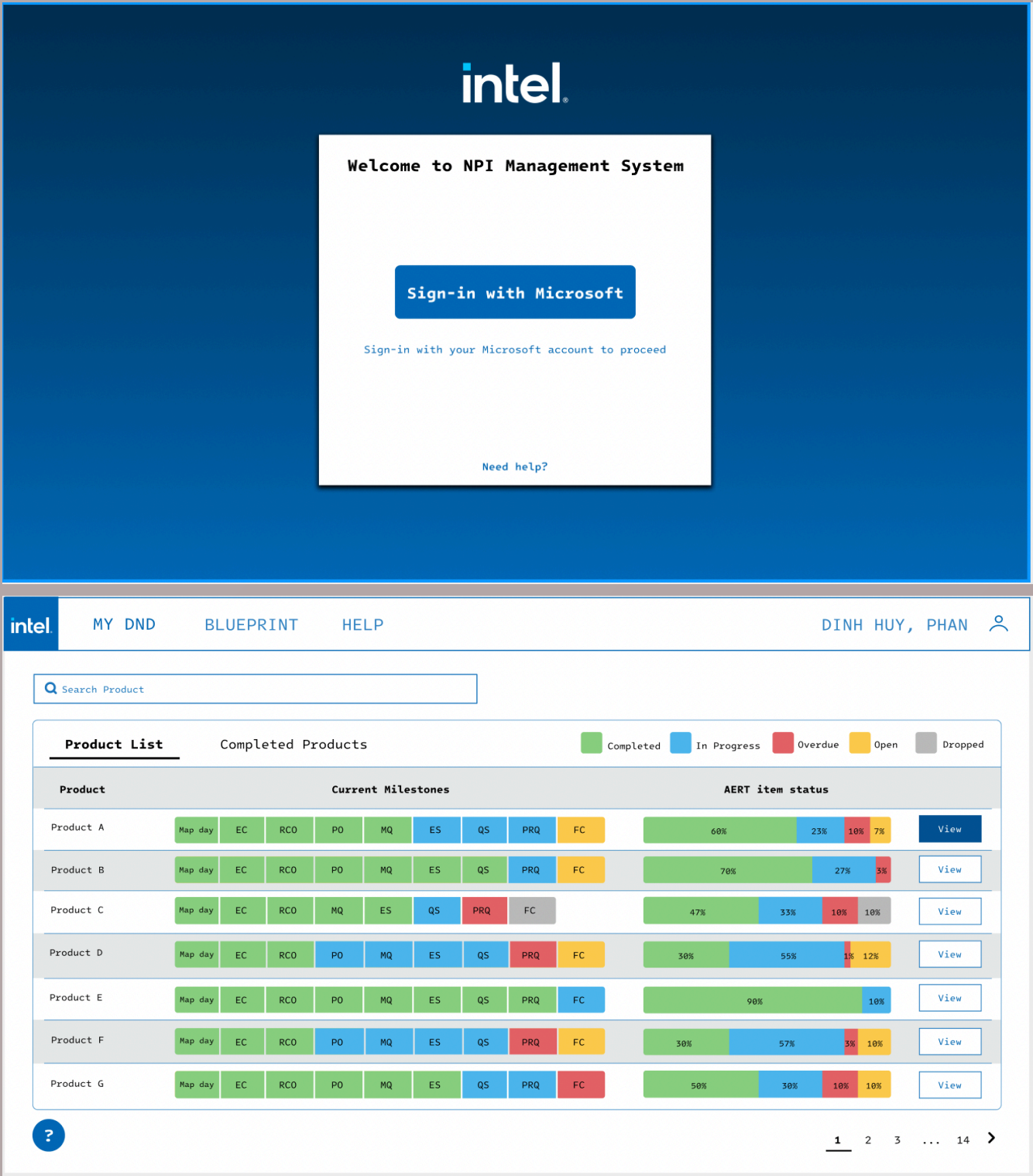
- Microsoft Entra ID login (role-based access for Admin, Product Owner, Engineer)
- Powerful search + advanced filters across products, modules, milestones, tasks
- Visual dashboards for status, timelines, and workload
- Task management with comments, file attachments, and due-date reminders
- Blueprint templates to spin up standard milestones per product/module
- CSV export for reporting and archiving
- Change logs (audit trail) for traceability

### Tech Stack

Angular • ASP.NET Core • EF Core • PostgreSQL • Docker • Microsoft Graph/MSAL

### Impact

- -60% time spent preparing status report
- +25% on-time milestone completion
- Clear ownership and accountability across AE programs



Scan me!

#### Team TechFlow

Le Dam Quang Vinh • Nguyen Thien Bao • Ngo Thanh Nguyen • Vu Nguyet Minh

#### Supervisors

Dr. Ben Scott • Dr. James Kang

#### Industry Partner

Intel Vietnam (Nguyen Van Huynh • Phan Dinh Huy)