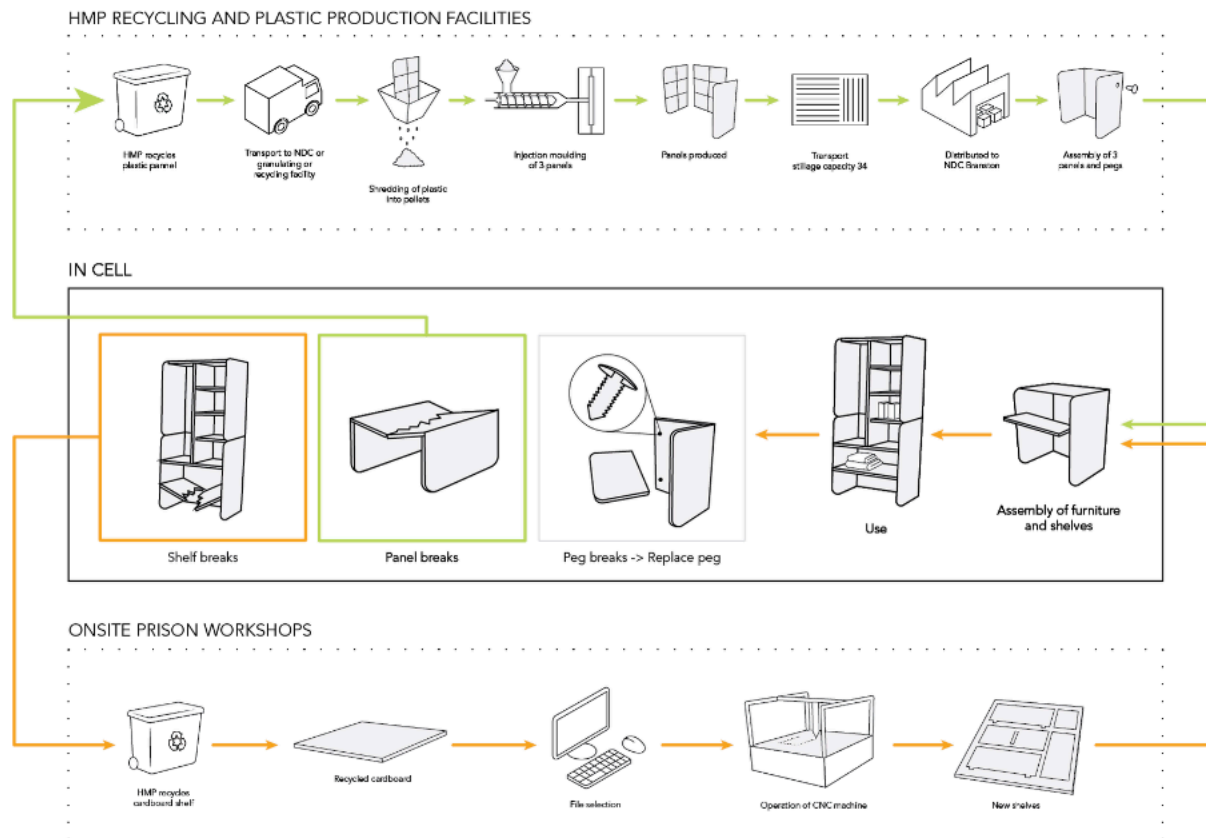


Production Model



In cell - HMP recycling and plastic facilities

Damaged or broken plastic panels would be recycled and the material could be shredded and reused in the manufacturing of new injection moulded 'Everything Unit' panels. Due to the required machinery (i.e. injection moulding machines), this manufacturing would occur at a small number of HMP establishments, and distributed by NDC Branstion similar to the current operational model.

In cell - Onsite at prison workshops

Damaged or broken shelves and dividers would be recycled; unlike the current MDF furniture. New shelves and dividers could be fabricated onsite at every prison with standard CNC equipment. This localised production and would make production more flexible and efficient.

Technical Specifications

Material

- **Side and back panels** = toughened-grade polypropylene (PP) plastic
- **Shelves and doors** = 10mm fire-treated corrugated cardboard or fibreboard
- **Fasteners for plastic side and back panels** = toughened-grade PP
- **Soft coverings** (instead of doors) = fire-retardant fabrics

Dimensions

- **Everything Unit (quantity = 1)**: L = 650mm, H = 720mm, D = 469mm

Manufacture

- Fabrication Method: Injection Moulding and CNC

Stillage Capacity

- Approximately 100 plastic panels per 3 stillage units