

- my factory (is_machine = true)
- zone.group (is_machine = false)
- A/P/Q % status (filter date line summary)
- icon edit (popup save)
- my factory, zone - Add new list machine (list parent is_machine = true, parent parent)

1. Add new (filter group zone - list machine)
- 2.

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1. Line Layout (Frontend)
1. Frontend implement `oe-web/src/routes/LineLayout/` 8

Components:

- `LineLayout.js` — layout image, marker, filter asset, OEE data
- `MachineMarker.js` — marker drag & drop (edit mode) click
- `MachineSelectorModal.js` — Modal machine (click)
- `MarkerPopover.js` — Popover (Running/Not Running/Stand By), Availability/Performance/Quality Edit/Delete/Close

Utilities & Styles:

- `lineLayoutUtils.js` — Pure functions: filterPlotPoints, getStatusColor, getStatusLabel, clickToPercent, clampPercent, formatMachineName, isAllowedImageType
- `LineLayout.less`, `MachineMarker.less`, `MarkerPopover.less` — Styling

1. implement (Frontend)
 1. Upload image API, blob URL, .jpg/.jpeg/.png/.webp
 2. Machine — click → preview dot → Modal machine → ms_plot_point
 3. Machine — click marker → Popover (A/P/Q metrics (plant-layout OEE API))
 4. Zone/Machine — filter currentAsset sidebar (machine children tree)
 5. marker — Edit popover → edit mode → drag marker (optimistic update + revert on failure)
 6. marker — Delete popover → plot point

1. API Endpoints Frontend (Backend)

Backend routes line-layout oee-api:

 - `GET /v1/line-layout/plot-points?map_id=` — plot points
 - `GET /v1/line-layout/available-machines?map_id=&asset_id=` — machine
 - `GET /v1/line-layout/image/:map_id` — layout (response blob)
 - `POST /v1/line-layout/upload-image` — upload layout (multipart/form-data, ref_id = map_id)
 - `POST /v1/line-layout/plot-points` — plot point (bucket, ref_id, map_type, map_id, top, left)
 - `PUT /v1/line-layout/plot-points/:id` — plot point (top, left)
 - `DELETE /v1/line-layout/plot-points/:id` — plot point
 - `GET /v1.2/oe/plant-layout?from=&to=&onlyOnJob=` — (OEE data)

1. Database Tables
 - `ms_plot_point` — plot point (ms_plot_point_id, bucket, ref_id, map_type, map_id, top, left)
 - `ms_file` — layout table_name='line-layout-pic'

1. (Backend)
 1. table `ms_plot_point`
 2. route module `line-layout-v1/` handlers 7 endpoints
 3. route `routes/index.js`
 4. MinIO upload/download layout (ms_file)

#7 - 04/03/2026 04:22 PM - Supparoeek Sariphan

- Status changed from Feedback to Resolved
- Assignee changed from Supparoeek Sariphan to Suphawan Phiwngam

#8 - 04/10/2026 10:27 PM - Suphawan Phiwngam

- Status changed from Resolved to Closed