# Project Title: Telemetry Analysis for Daikibo Industrials

## Overview

Daikibo Industrials unified telemetry data from four global factories to monitor machine health and identify operational inefficiencies. Each factory operated 9 machine types, sending status updates every 10 minutes over the course of May 2021.

## Objectives

1. Identify which factory experienced the most machine breakdowns.
2. Determine which machine types were most prone to failure in that location.

## Tools & Techniques

- **Tool Used**: Tableau Desktop
- **Data Format**: Unified JSON file
- **Calculated Field**: Unhealthy = 10 minutes of downtime per unhealthy status
- **Visuals Created**:
    - *Down Time per Factory* (Bar Chart)
    - *Down Time per Device Type* (Bar Chart)
    - Interactive Dashboard linking both charts

## Key Findings

- **Highest Downtime Location**: **Daikibo Factory Seiko** (Osaka, Japan)
- **Most Unreliable Machine**: **Laser Welder Machine**
- **Operational Insight**: Seiko's laser welders require urgent attention—predictive maintenance and targeted upgrades could significantly reduce downtime.

## Dashboard Snapshot

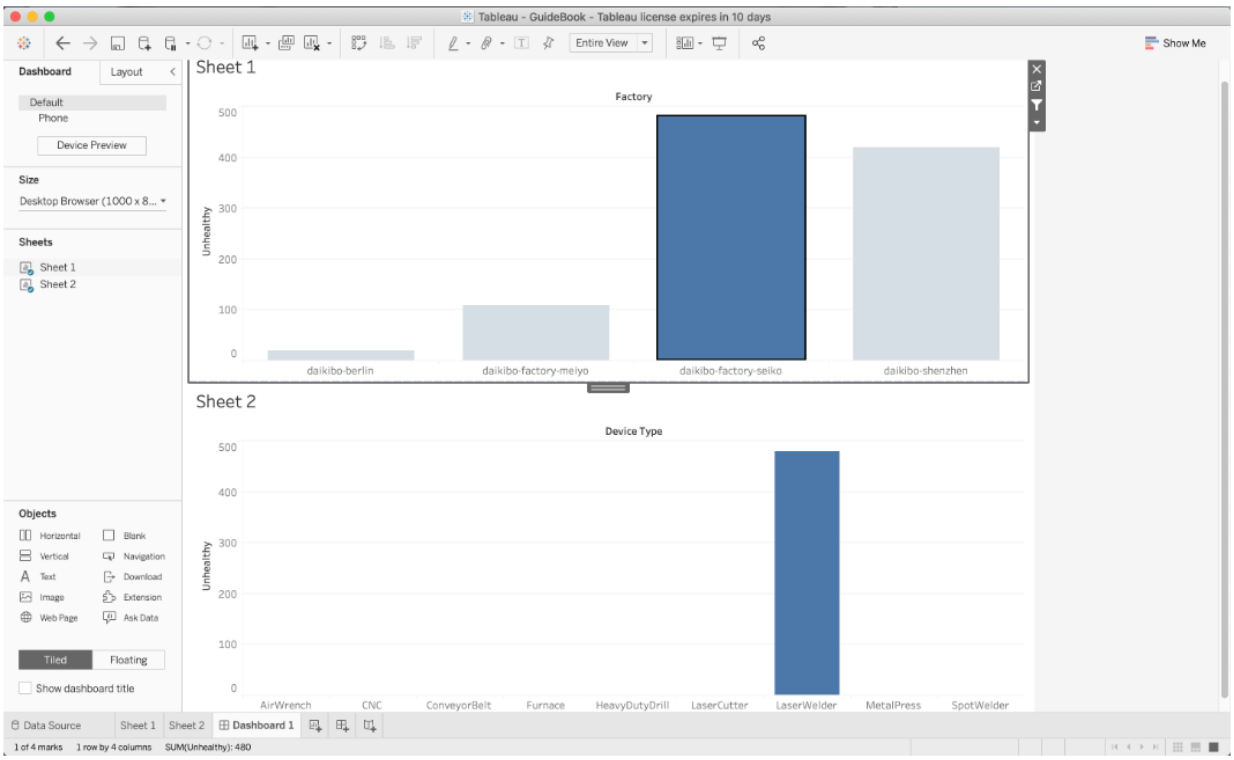
Tableau - GuideBook - Tableau license expires in 10 days
Entire View
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Desktop Browser (1000 x 8...
Sheets
Sheet 1
Sheet 2
Objects
Horizontal
Blank
Vertical
Navigation
Text
Download
Image
Extension
Web Page
Ask Data
Tiled
Floating
Show dashboard title
Sheet 1
Factory
Unhealthy
500
400
300
200
100
0
daikibo-berlin
daikibo-factory-meiyo
daikibo-factory-seiko
daikibo-shenzhen
Sheet 2
Device Type
Unhealthy
500
400
300
200
100
0
AirWrench
CNC
ConveyorBelt
Furnace
HeavyDutyDrill
LaserCutter
LaserWelder
MetalPress
SpotWelder
Data Source
Sheet 1
Sheet 2
Dashboard 1
1 of 4 marks
1 row by 4 columns
SUM(Unhealthy): 480