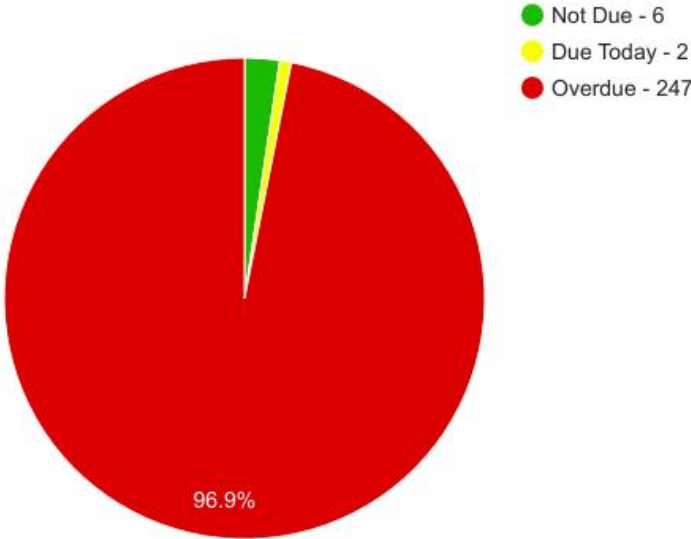


Example portion of an order list with due dates assigned

Part Number	Description	QTY Ordered	QTY Used Per Month	QTY Produced	Department	Ordered	Due	Days Allotted to Produce Part	Vendor Process Required (i.e. Powdercoat, Plating, Heat Treating, Alodine)	How Many Finishing Processes	Requested By	
2-851 L/R	RIB WING AILERON BAY [Q]	20 EACH			ALUMATECH	3/5/2024	1/3/2025	297	PLATING	1	AS	REPRINTED 5/13/24
11-1294	BRACKET- ALT AIR CABLE SUPPORT	20		20	ALUMATECH	4/8/2024	4/30/2024	15	PLATING	1	AS	
2-1973-1 L/R	Sppt Angle Ail Hinge	45L/60R			AMADA	1/25/2024	3/11/2024	32	HEAT TREAT	2	MS	Also Plating
1-2573	GUARD SECTOR FLAP/AILERON [I]	100			AMADA	3/8/2024	4/1/2024	24			AS	
11-1272	DEFLECTOR, HEATER	40			AMADA	3/14/2024	4/14/2024	31			AS	
2-1583-1	support flap hinge	60			AMADA	2/2/2024	4/17/2024	75			rk	
1-2360	horn	40			AMADA	3/19/2024	4/19/2024	31			dw	
4-1770	barrel	30			AMADA	3/21/2024	4/22/2024	32			dw	
2-2261	SUPPORT FUEL TANK REAR	60			AMADA	3/25/2024	4/25/2024	31			GL	642
3-1806	seat back	30			AMADA	2/22/2024	4/30/2024	68			rk	REPRINTED 5/13/24
11-0678	LUG DRAG WIRE [B]	100			AMADA	4/5/2024	5/1/2024	19	PLATING	1	AS	
2-689-1	SUPPORT AILERON HINGE [W]	60			AMADA	3/25/2024	5/5/2024	27	HEAT TREAT	2	AS	Send out for finish per CFP-1 or CFP-3.
2-709-1	HINGE	120			AMADA	3/12/2024	5/15/2024	64			JJ	
11-0734	FLAP HINGE ARM	60			AMADA	3/13/2024	12/19/2024	281			JJ	
4-1497-1	CHANNEL	40+			AMADA	3/21/2024	5/15/2024	55			JJ	ALT. FOR 4-1796-7
4-1497-2	CHANNEL	40+			AMADA	3/21/2024	5/15/2024	55			JJ	ALT. FOR 4-1796-1
11-1076	PLATE AIRBOX VALVE 210 [C]	20			AMADA	4/15/2024	5/15/2024	23	PAINT	1	AS	send to Paint Dept. for Trio-prime.
7-1471-3	WRAPAROUND 1-PIECE FLAT [P]	10			AMADA	4/29/2024	5/15/2024	16			AS	
7-1536-3	skin	10			AMADA	4/16/2024	5/16/2024	30			dw	
7-1536-4	skin	13			AMADA	4/16/2024	5/16/2024	30			dw	
3-1686 L	SKIN GAP CVR L 7GCBC/8GCBC [F]	15			AMADA	4/16/2024	4/11/2025	360			AS	
3-1789-1	PANEL SHROUD LEFT 210 [C]	10			AMADA	5/2/2024	5/16/2024	14			AS	
1-10253	seat lug belt attach	100			AMADA	2/19/2024	5/20/2024	91			rk	
1-2330	PLATE	60			AMADA	3/20/2024	5/20/2024	61			JJ	

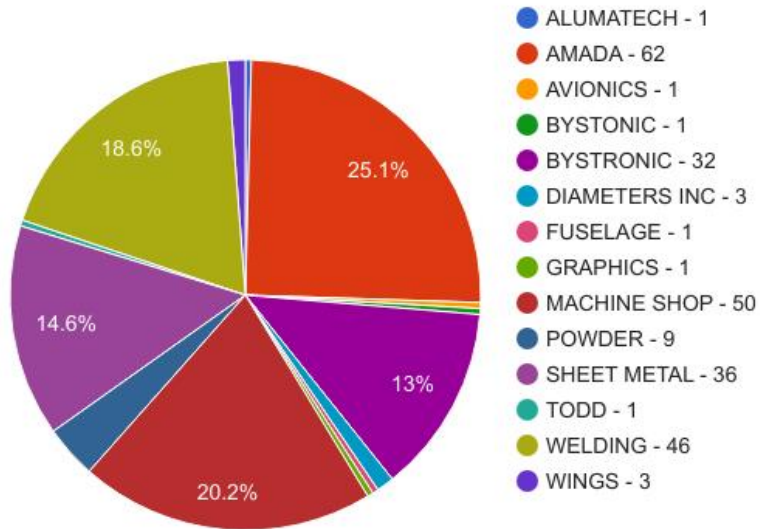
First pie chart, showing total due parts and status:

Overdue Status || Total - 255



Second pie chart, showing which department holds what percentage of the overdue parts:

**Overdue By Department**



One of the functions used to translate what an overdue part is:

```
1 function DetermineOverdueDOFIRST() {
2   // Open the active spreadsheet
3   var spreadsheet = SpreadsheetApp.getActiveSpreadsheet();
4   // Select the sheet by name or by index (0-based)
5   var sheet = spreadsheet.getSheetByName("Internal Parts Requests");
6   var currentDate = new Date();
7   currentDate.setHours(0, 0, 0, 0);
8   // Get the data from the columns (assuming column A for first date and column B for second date)
9   var dueRange = sheet.getRange("H2:H"); // Adjust range as needed
10
11   // Get the values from the ranges
12
13   var dueValues = dueRange.getValues();
14
15   // Loop through the values and compare the dates
16   for (var i = 0; i < dueValues.length; i++) {
17
18     var dueDate = new Date(dueValues[i][0]);
19     dueDate.setHours(0, 0, 0, 0);
20     var result = "";
21     if (currentDate && dueDate && !isNaN(currentDate.getTime()) && !isNaN(dueDate.getTime())) {
22       // Perform the comparison; 1 = not due, 0 = overdue, 2 = due today
23       if (currentDate < dueDate) {
24         result += "1";
25       } else if (currentDate > dueDate) {
26         result += "0";
27       } else {
28         result += "2";
29       }
30     } else {
31       break;
32     }
33     sheet.getRange(i + 2, 16).setValue(result);
34   }
35
36 }
```

This function shows the total overdue parts

```
38 function OverdueVsTotalOrders() {
39   var spreadsheet = SpreadsheetApp.getActiveSpreadsheet();
40   var sheet = spreadsheet.getSheetByName("Internal Parts Requests");
41   var lastRow = sheet.getLastRow();
42   var range = sheet.getRange(2, 16, lastRow - 1, 1); // Adjust column range as needed
43   var values = range.getValues();
44
45   // Initialize counters for categories 0, 1, and 2
46   var categoryCounts = { "0": 0, "1": 0, "2": 0 };
47   var totalCount = 0;
48
49   // Count occurrences of each category
50   for (var i = 0; i < values.length; i++) {
51     var value = values[i][0];
52     if (value !== "") {
53       categoryCounts[value]++;
54     }
55     totalCount++;
56   }
57
58   // Create a data table for the chart
59   var dataTable = Charts.newDataTable()
60     .addColumn(Charts.ColumnType.STRING, "Category")
61     .addColumn(Charts.ColumnType.NUMBER, "Count");
62
63   // Add rows for each category
64   // for (var category in categoryCounts) {
65   //   dataTable.addRow(["Category " + category, categoryCounts[category]]);
66   // }
67   dataTable.addRow(["Not Due - " + categoryCounts[1], categoryCounts[1]]);
68   dataTable.addRow(["Due Today - " + categoryCounts[2], categoryCounts[2]]);
69   dataTable.addRow(["Overdue - " + categoryCounts[0], categoryCounts[0]]);
70
71   var colors = ['#1AB800', '#F7FF00', '#DC0000'];
72
73   // Create the pie chart
74   var chart = Charts.newPieChart()
75     .setDataTable(dataTable)
76     .setTitle("Overdue Status || Total - " + (categoryCounts[0] + categoryCounts[1] + categoryCounts[2]))
77     .setDimensions(800, 600)
78     .setColors(colors)
79     .build(); // Build the chart directly
80
81   // Convert the chart to an embedded chart before inserting
82   var embeddedChart = chart.getAs('image/png'); // Convert to image
83   var chartBlob = embeddedChart.getAs('image/png').setName('PieChart'); // Convert to Blob
84
85
86
87   // Insert the chart as an image
88   sheet.insertImage(chartBlob, 5, 5); // Adjust position as needed
89 }
```

This function sorts by department:

```
function ByDepartmentOverdue() {
  var spreadsheet = SpreadsheetApp.getActiveSpreadsheet();
  var sheet = spreadsheet.getSheetByName("Internal Parts Requests"); // Change to your sheet name
  var lastRow = sheet.getLastRow();
  var departments = sheet.getRange("F2:F" + lastRow).getValues();
  var statuses = sheet.getRange("P2:P" + lastRow).getValues();

  // Initialize counters for departments
  var departmentCounts = {};

  // Count occurrences of status 0 for each department
  for (var i = 0; i < departments.length; i++) {
    var department = departments[i][0];
    var status = statuses[i][0];
    if (status === 0) {
      if (department in departmentCounts) {
        departmentCounts[department]++;
      } else {
        departmentCounts[department] = 1;
      }
    }
  }

  // Create a data table for the pie chart
  var dataTable = Charts.newDataTable()
    .addColumn(Charts.ColumnType.STRING, "Department")
    .addColumn(Charts.ColumnType.NUMBER, "Count");

  // Add rows for each department
  for (var department in departmentCounts) {
    dataTable.addRow([department + " - " + departmentCounts[department], departmentCounts[department]]);
  }

  // Create the pie chart
  var chart = Charts.newPieChart()
    .setDataTable(dataTable)
    .setTitle("Overdue By Department")
    .setDimensions(800, 600)
    .build(); // Build the chart directly

  // Convert the chart to an embedded chart before inserting
  var embeddedChart = chart.getAs('image/png'); // Convert to image
  var chartBlob = embeddedChart.getAs('image/png').setName('DepartmentPieChart'); // Convert to Blob

  // Insert the chart as an image
  sheet.insertImage(chartBlob, 5, 5); // Adjust position as needed
}
```