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Prinect API 2015

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HEIDELBERG

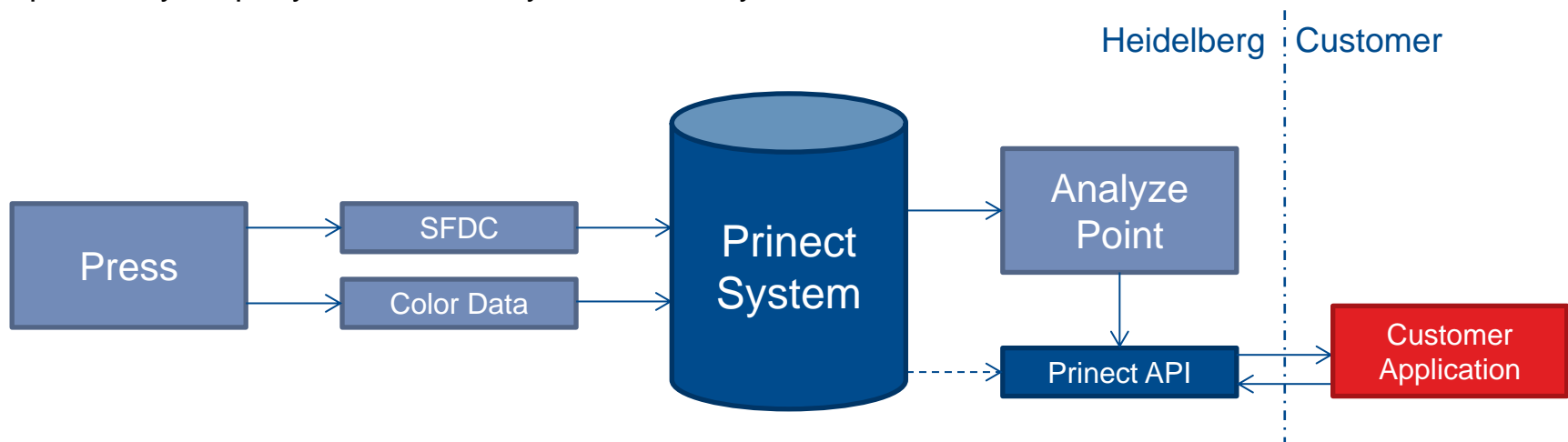
What can you do with Prinect API?

Prinect API (Application Programming Interface) **features:**

- Prinect API enables your customer-programmed application to reach the Prinect data base
- Access to the Prinect data base (primarily Analyze Point data)
- Milestones can be retrieved and placed

Important:

You have to develop and to evaluate the analysis on your own, Prinect API gives you the possibility to query the data from your Prinect System.

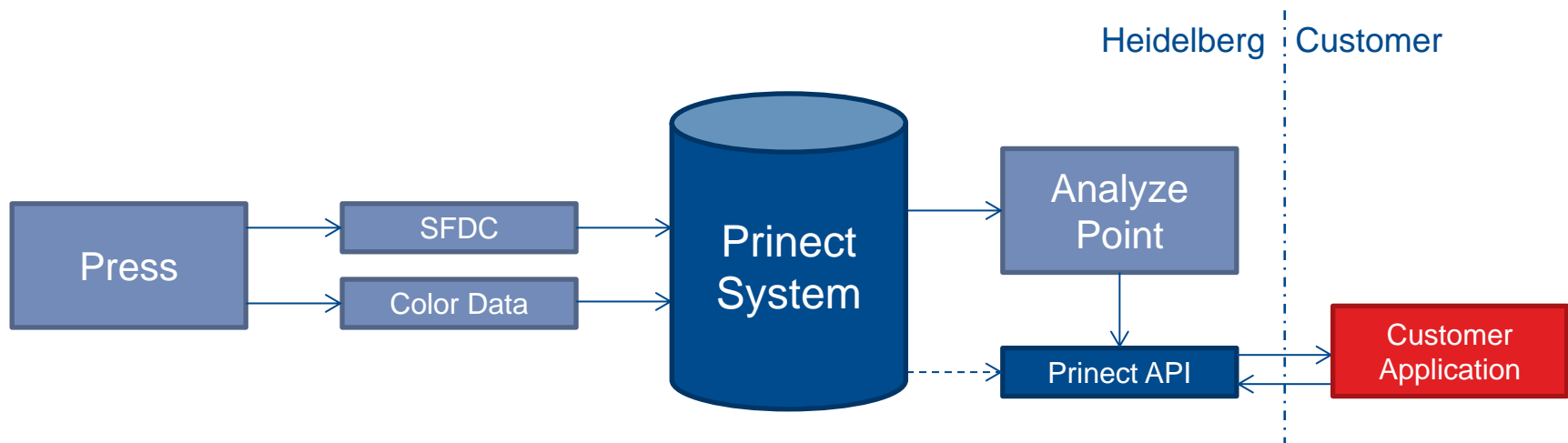


What is Prinect API?

Prinect API (Application Programming Interface) features:

License for Prinect 2015 to query data concerning:

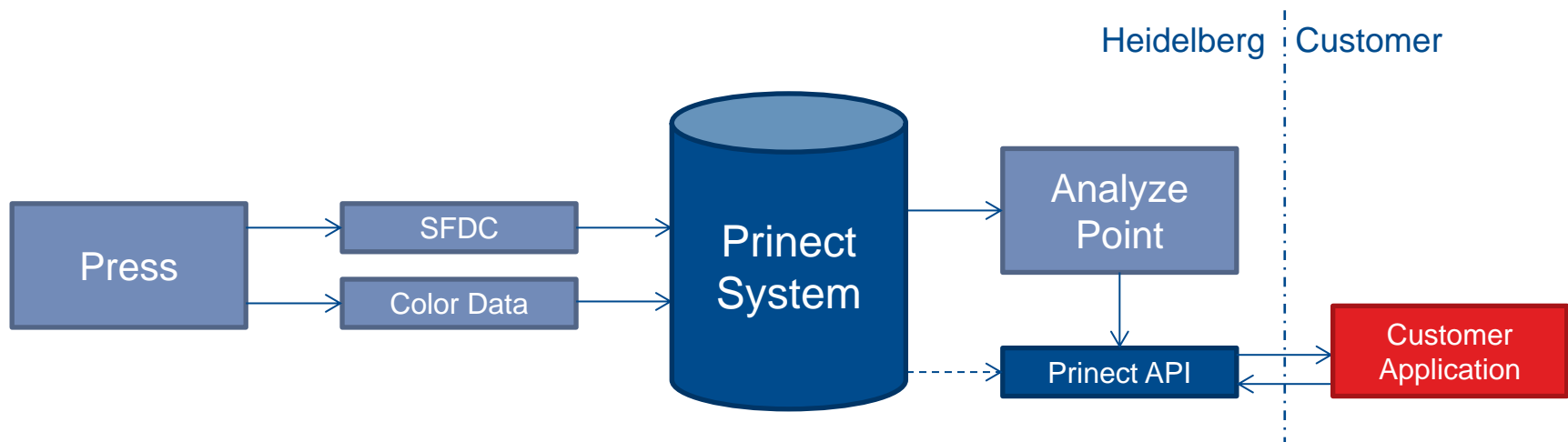
- Jobs
- Activities
- Quality measuring data
- Devices
- Milestones



Prinect API – Use Cases

Some potential use cases for customers may be:

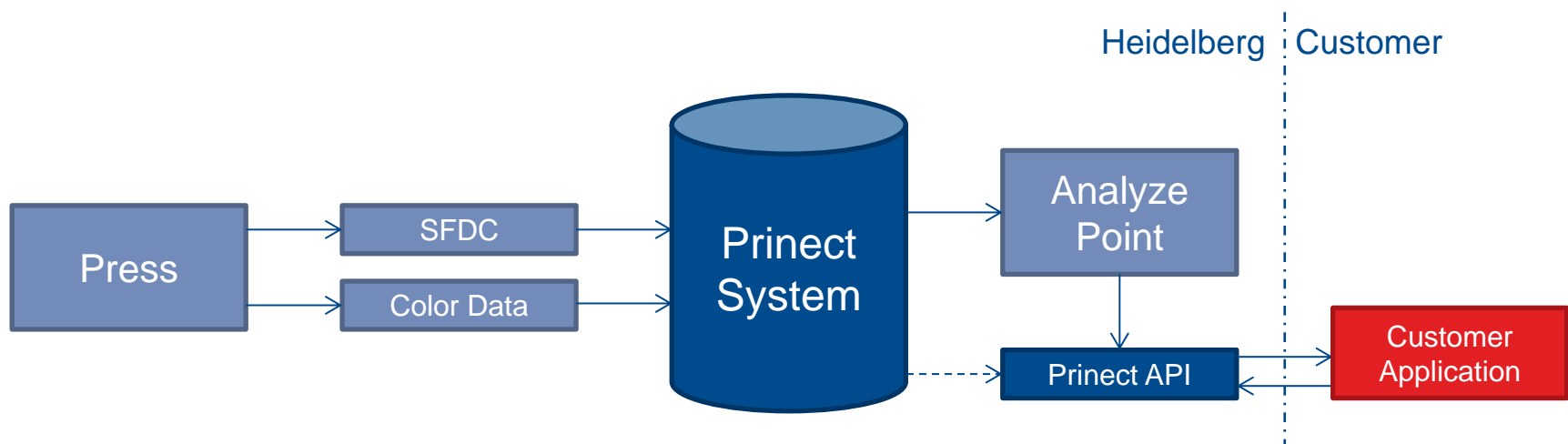
- Creating individual reporting displays for customer-specific needs
- Query values for production times into individually programmed calculating systems
- Using quality measuring data for individually programmed quality monitoring systems
- Tracking working processes via individually listed milestone status



What do you need in order to use Prinect API?

You need:

- Prinect API license (Heidelberg product)
- Prinect Integration Manager license (Heidelberg product)
- Analyze Point license (Heidelberg product)
- Internet Browser
- Collected data (job data, shop floor data, quality measuring data,) in your Prinect System (collected during your working process)
- Your self-programmed application for data evaluation and display

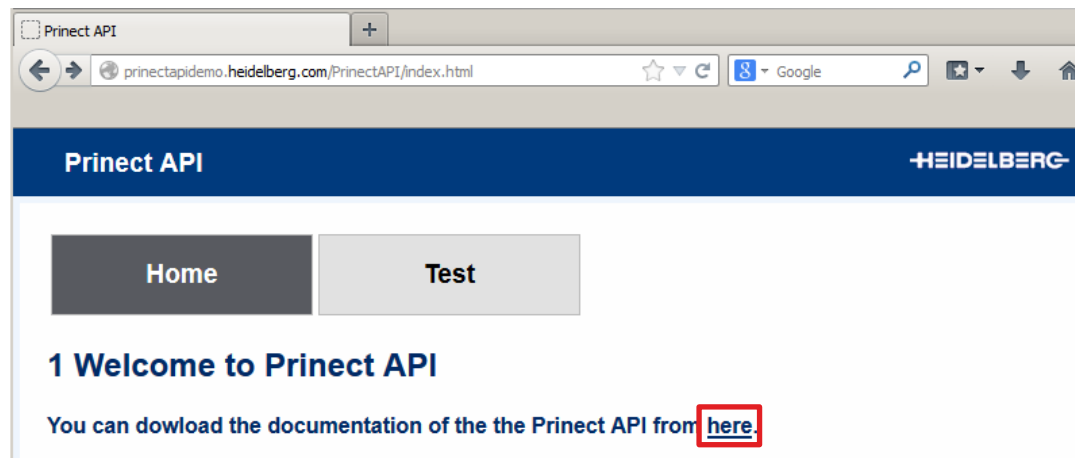


Visualizing requested data from Prinect API

Testing / visualizing of Prinect API possibilities are available with our Prinect API demo server data base:

- You can test your programmed application before purchasing the Prinect API license
- Or you can visualize Prinect API request via an internet viewer (see next page)

➤ Demoserver and Specification for Prinect API: <http://prinectapidemo.heidelberg.com/PrinectAPI/>

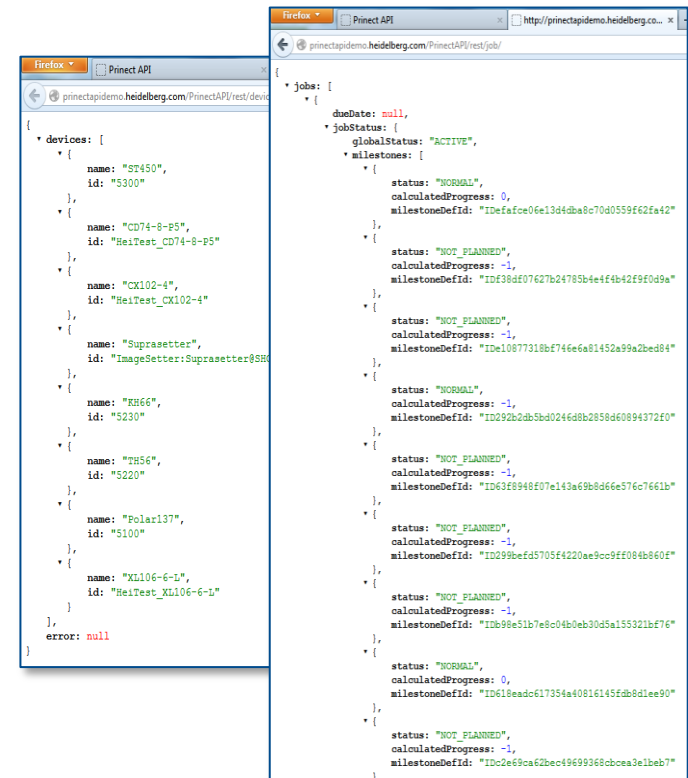


Visualizing requested data from Prinect API

Samples requested via an Internet Browser (Firefox) with an “JSONView” add-on:

(= enables a simple view onto the demo server data base as example for Prinect API requests without a self-programmed application)

- Request for all the devices in the print shop: [link](#)
- Request for all the employee in the print shop: [link](#)
- Request for all job in the print shop: [link](#)
- Request for all the activities from the press CX102-4 in the time from 30.10. until 31.10.2014: [link](#)
- Request for colour data from a printed job: [link](#)
- Request for all the activites from a printed sheet: [link](#)



```
{
  "devices": [
    {
      "name": "ST450",
      "id": "5300"
    },
    {
      "name": "CD74-8-P5",
      "id": "HeiTest_CD74-8-P5"
    },
    {
      "name": "CX102-4",
      "id": "HeiTest_CX102-4"
    },
    {
      "name": "Suprasetter",
      "id": "ImageSetter:Suprasetter$58"
    },
    {
      "name": "KH66",
      "id": "5230"
    },
    {
      "name": "TH56",
      "id": "5220"
    },
    {
      "name": "Polar137",
      "id": "5100"
    },
    {
      "name": "XL106-6-L",
      "id": "HeiTest_XL106-6-L"
    }
  ],
  "error": null
}
```

```
{
  "jobs": [
    {
      "dueDate": null,
      "jobStatus": {
        "globalStatus": "ACTIVE",
        "milestones": [
          {
            "status": "NORMAL",
            "calculatedProgress": 0,
            "milestoneDefId": "IDeface06e13d4dba8c70d0559f62fa42"
          },
          {
            "status": "NOT_PLANNED",
            "calculatedProgress": -1,
            "milestoneDefId": "IDf38df07627b24785b4e4f4b42f9f0d9a"
          },
          {
            "status": "NOT_PLANNED",
            "calculatedProgress": -1,
            "milestoneDefId": "IDe10877318bf746e6a81452a99a2bed84"
          },
          {
            "status": "NORMAL",
            "calculatedProgress": -1,
            "milestoneDefId": "ID292b2db5bd0246d8b2859d60894372f0"
          },
          {
            "status": "NOT_PLANNED",
            "calculatedProgress": -1,
            "milestoneDefId": "ID63f8948f07e143a69b8d66e576c7661b"
          },
          {
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            "calculatedProgress": -1,
            "milestoneDefId": "ID299befd5705f4220ae9cc9ff084b860f"
          },
          {
            "status": "NOT_PLANNED",
            "calculatedProgress": -1,
            "milestoneDefId": "IDb98e51b7e8c04b0eb30d5a155321bf76"
          },
          {
            "status": "NORMAL",
            "calculatedProgress": 0,
            "milestoneDefId": "ID618eadc617354a40816145fdb8d1ee90"
          },
          {
            "status": "NOT_PLANNED",
            "calculatedProgress": -1,
            "milestoneDefId": "IDc2e69ca62bec49699368cbcea3e1beb7"
          }
        ]
      }
    }
  ]
}
```

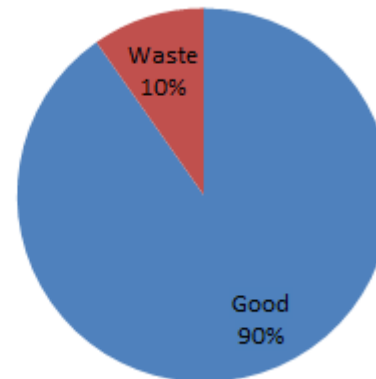
Visualizing requested data from Prinect API

For example: **customer-programmed application** with a *.csv file as a result to import in Excel

ID	Name	Start	End	Device.ID	Device.Name	Good	Waste	Job.ID	Job.Name	Workstep.ID	Workstep.N	Duration	ColorFront	ColorBack
		2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L		0					10		
4100	Gutprodukti	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	2500	0	151014-0752	Spaghetteria	141015_075	Sheet 1 6/-	958	6	-
4000	Grundeinric	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	240	151014-0752	Spaghetteria	141015_075	Sheet 1 6/-	216	6	-
		2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	0					11		
4100	Gutprodukti	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	1000	0	151014-0741	Bonaqua 151	141015_074	Sheet 1 5/-	471	5	-
4000	Grundeinric	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	240	151014-0741	Bonaqua 151	141015_074	Sheet 1 5/-	215	5	-
		2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	0					10		
4100	Gutprodukti	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	5000	0	151014-0708	Tomasso 151	141015_070	Sheet 1 5/-	1737	5	-
4000	Grundeinric	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	240	151014-0708	Tomasso 151	141015_070	Sheet 1 5/-	214	5	-
		2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	0					11		
4100	Gutprodukti	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	500	0	151014-0659	Tomasso 151	141015_070	Sheet 1 5/-	350	5	-
4000	Grundeinric	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	240	151014-0659	Tomasso 151	141015_070	Sheet 1 5/-	214	5	-
		2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	0					11		
4100	Gutprodukti	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	2500	0	151014-0640	Spaghetteria	141015_064	Sheet 1 6/-	953	6	-
4000	Grundeinric	2014-10-15T	2014-10-15T	HeiTest_XL1	XL106-6-L	0	240	151014-0640	Spaghetteria	141015_064	Sheet 1 6/-	214	6	-

Device.Name	Good	Waste
XL106-6-L	2500	0
XL106-6-L	0	240
XL106-6-L	1000	0
XL106-6-L	0	240
XL106-6-L	5000	0
XL106-6-L	0	240
XL106-6-L	500	0
XL106-6-L	0	240
XL106-6-L	2500	0
XL106-6-L	0	240
Sum	11500	1200

	Amount	Percentage
Total Good	743500	90%
Total Waste	80320	10%



Prinect API - potential benefits

The potential benefits for a customer with his own in-house evaluation program are:

- Evaluation of the data in an **individual** in-house application
- Generating **individual** in-house performance indicators or graphics from these data
- Customized reports to optimize production efficiency and process monitoring

