



Digitalizace v pohonech - AnalyzeMydrive

Siemens Drives Days 2021, Dolní Morava

I Kdo prezentuje

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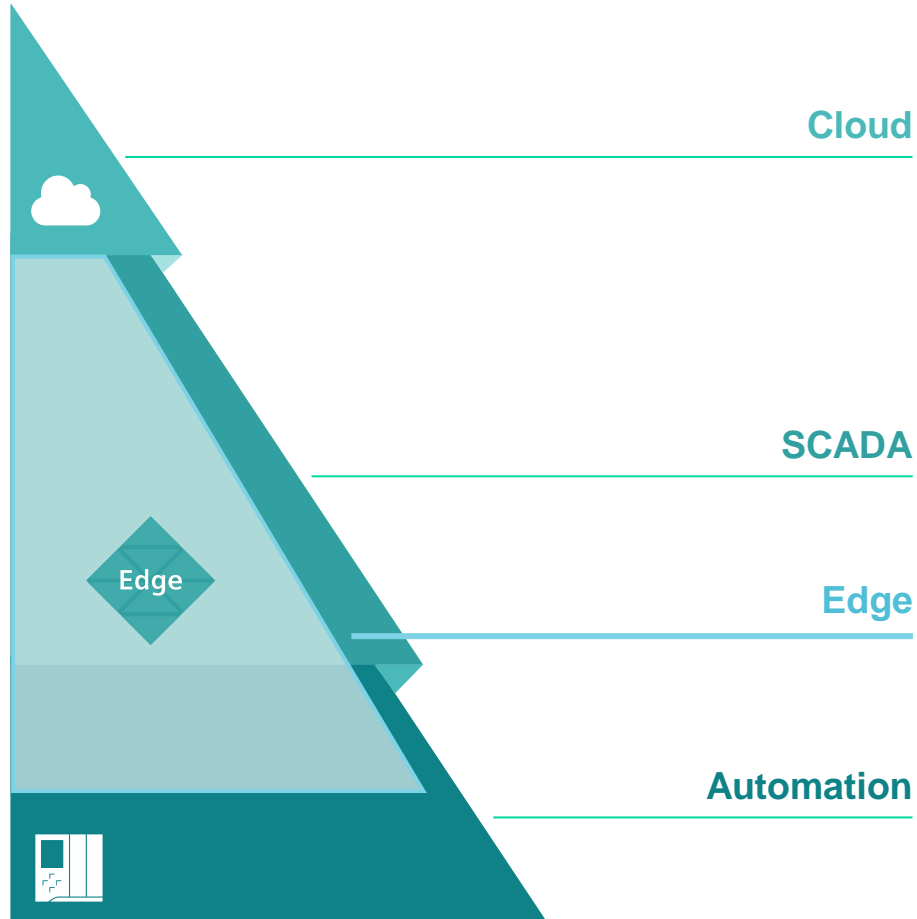
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Industrial Edge / Cloud Positioning

Technology



Characteristics

Cloud

- Platform (as a Service) for **global** visualization and processing of data on a high-level language basis
- Integration of **IT functionalities** such as long-term data archiving, scalable computing power and software deployment

SCADA – Informational and mission critical operations

- **HMI Software** for controlling and monitoring of processes
- Basic analysis options e.g. KPIs and **IT** integration

Vision: SCADA can additionally run on Siemens Industrial Edge

Edge Computing with Siemens Industrial Edge

- **Open software platform** to execute software in a very efficient way with a central manageability and versioning
- Native integration of **IT functionalities into automation**
- **Software** with support for data collection, processing & exchange
- Local data handling and processing

Automation – Mission critical

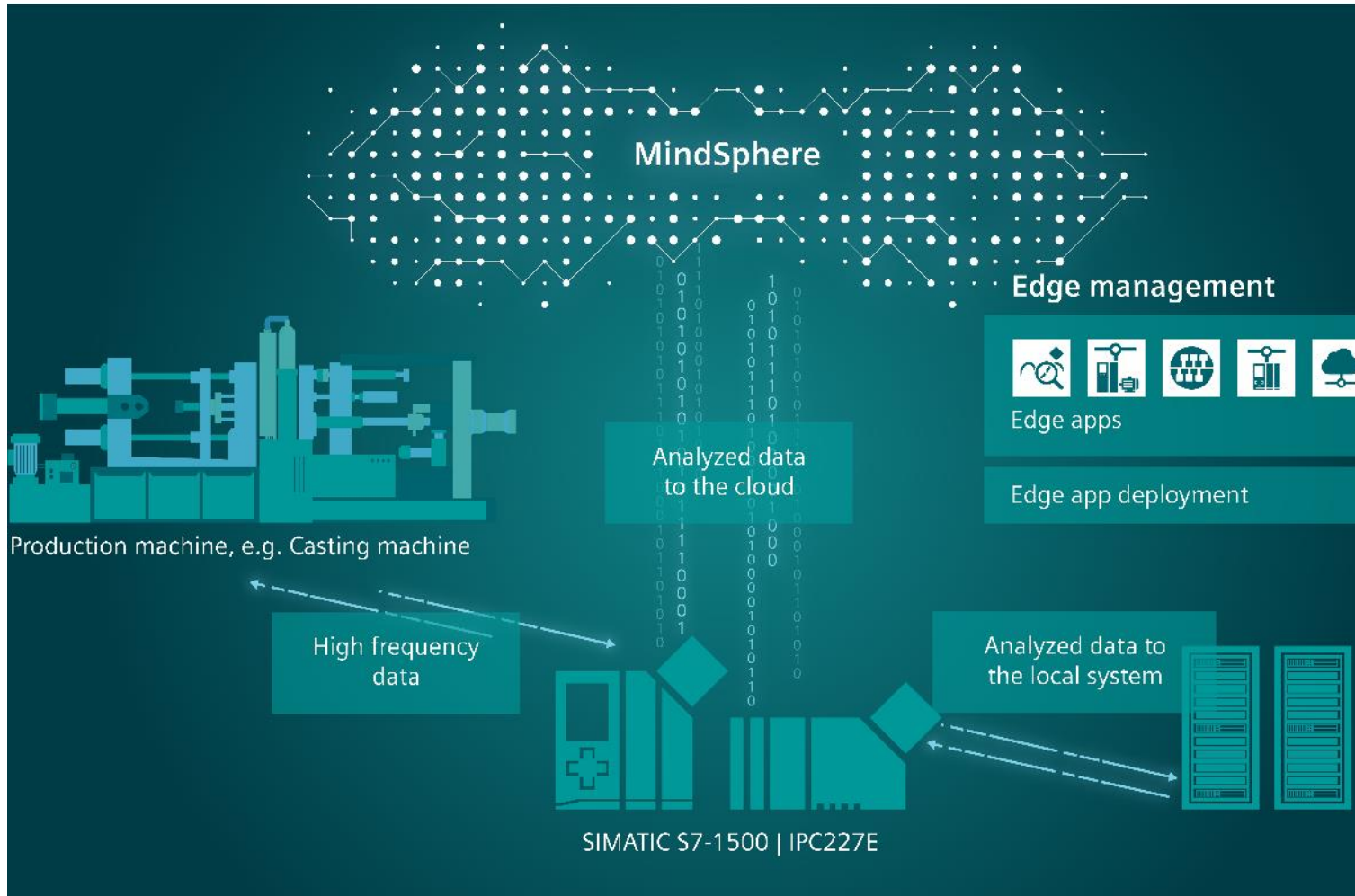
- Production/process control

| Analyze MyDrives Edge

Belt Elongation Detection

Overview – General Motion Control Digitalization – Industrial Edge

from data to action



Drive train on Industrial Edge

- In-depth understanding of drive train components and their health state.
- Applicable for greenfield and brownfield use cases.
- **High frequency data acquisition and low-latency data processing.**
- Secure manageability of drive systems at run-time.
- Analyze My Drives Edge

SINAMICS drives can provide real high-frequency data – We need to address all flavors of Industrial Edge Platform

Use case CNC machine

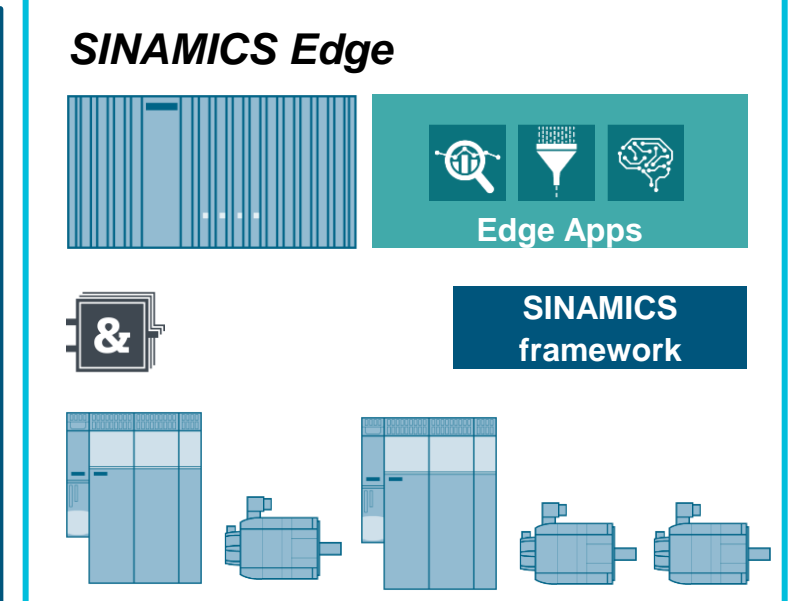
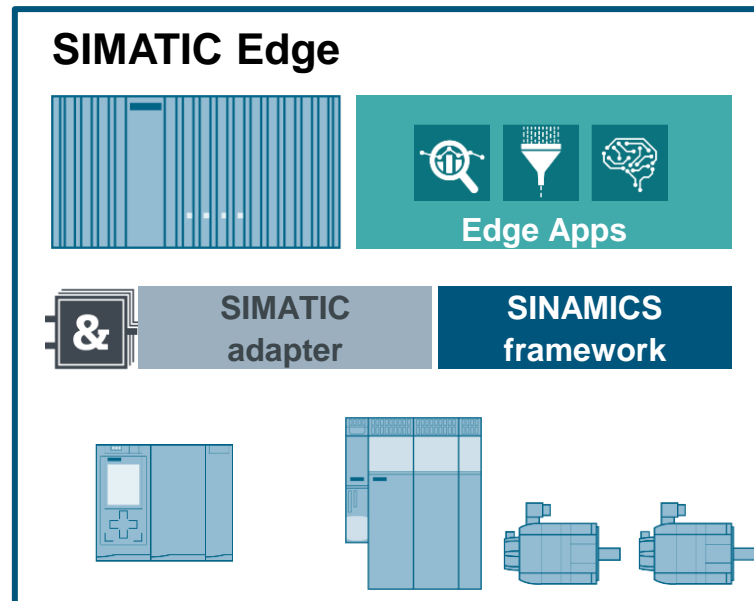
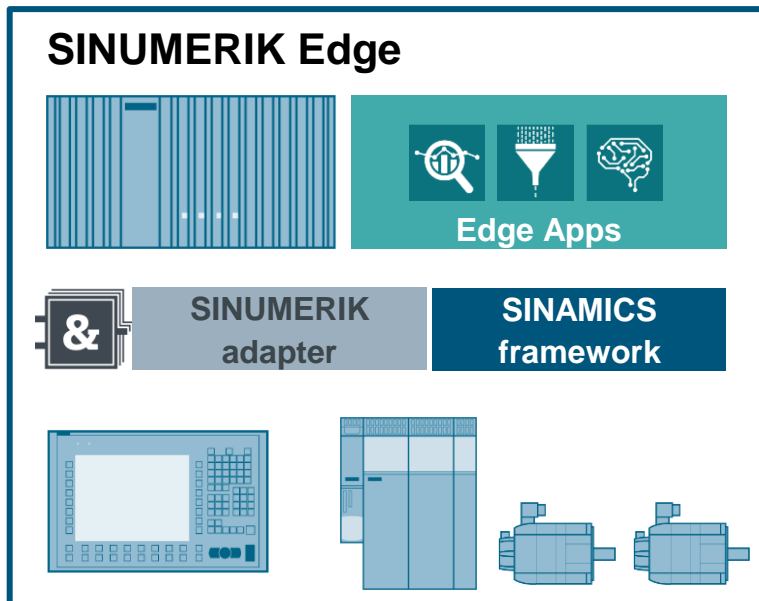
- Drives data additional to SINUMERIK connection
- license device connector (R220) as option for Edge Device
- SINUMERIK edge flavor

Use case PLC

- OEM requires high frequency data availability from drives
- license device connector (R220) as option for Edge Device
- SIMATIC edge flavor

Use case Drives

- OEM or machine user require high frequency data from drives
- license device connector (R220)
- SINUMERIK edge flavor w/o CNC relevant S/W



Analyze MyDrives Edge



High Frequency Data from SINAMICS

Condition Monitoring and quality assurance use cases are very important to machine builders. For most of those use cases high frequency data is necessary to make these use cases real. A cost-efficient way to get to high frequent data without investing in extra sensors would be to use the data which is already available in the machine controller.

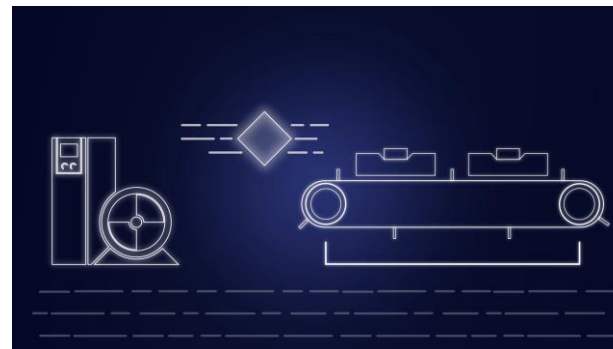


Analyze MyDrives Edge

Analyze MyDrives is an Edge application which brings high frequent data out of the SINAMICS CU320-2 Control Unit to the Edge system, where the data can be further evaluated to realize use cases for machine builders.

In the Analyze MyDrives /Edge the user can:

- **Configure TRCData for the CU320-2**
- **Configure ML Belt tension model**
- **View health score of belt tension**
- **Compare historical values**
- **Forward the trace data to the cloud**



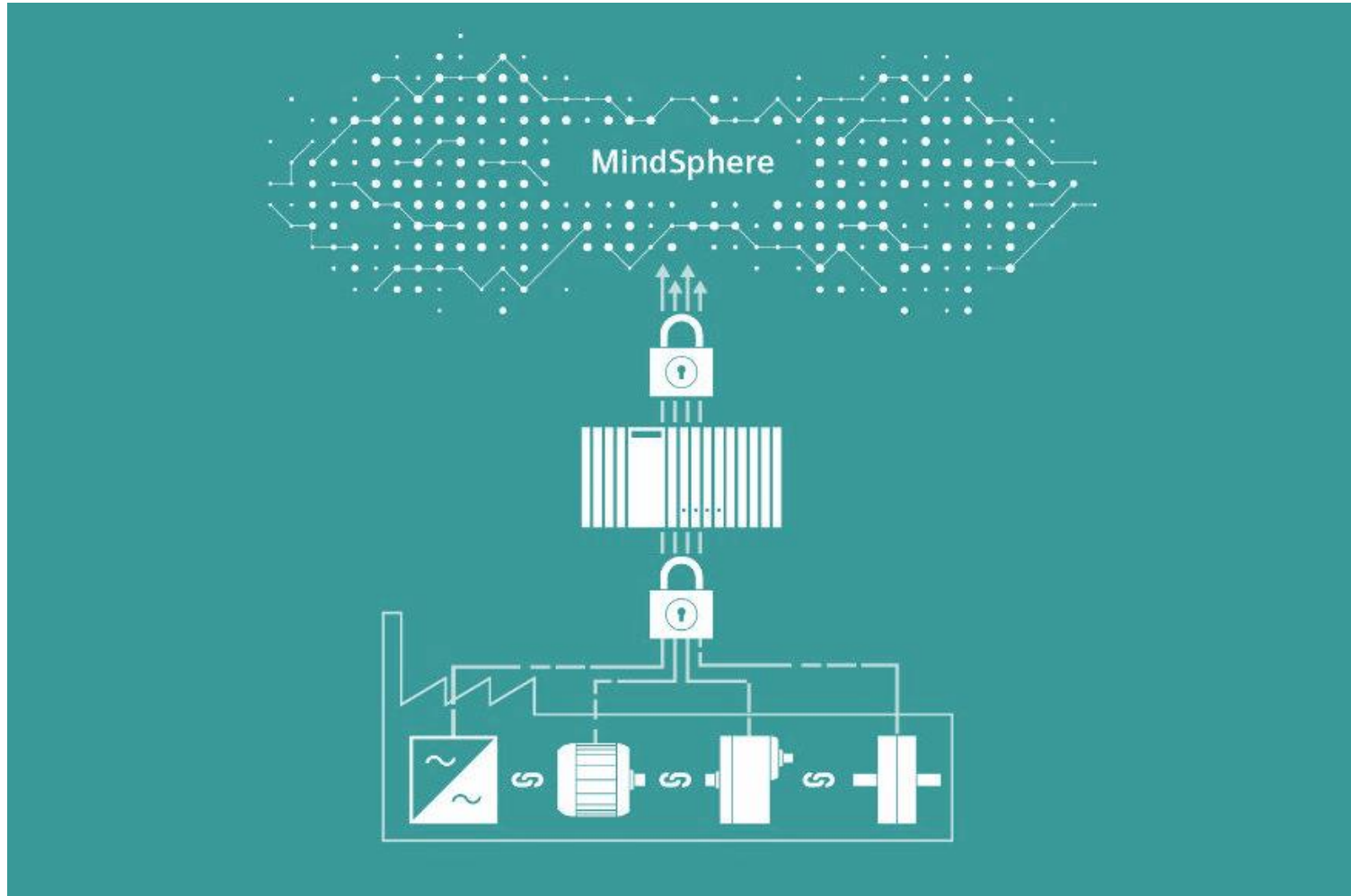
- The SINAMICS drive systems are continuously connected to the Industrial Edge platform
- High-frequency data of up to 8 kHz
- The condition of the drive train and its components is monitored with sophisticated machine learning algorithms
- Opens doors for new innovative analysis approaches
- Open solution using the Edge Environment
- Highly expandable with other Edge applications from the market place
- Easy update on app functionality through central Edge Management system
- Long-term monitoring and notifications of condition information in MindSphere, for example with the MindSphere Analyze MyDrives application

Analyze MyDrives Cloud 2.0

Enhancing
transparency and
analytics

Overview – General Motion Control Digitalization – MindSphere

Providing you with insight into your machines

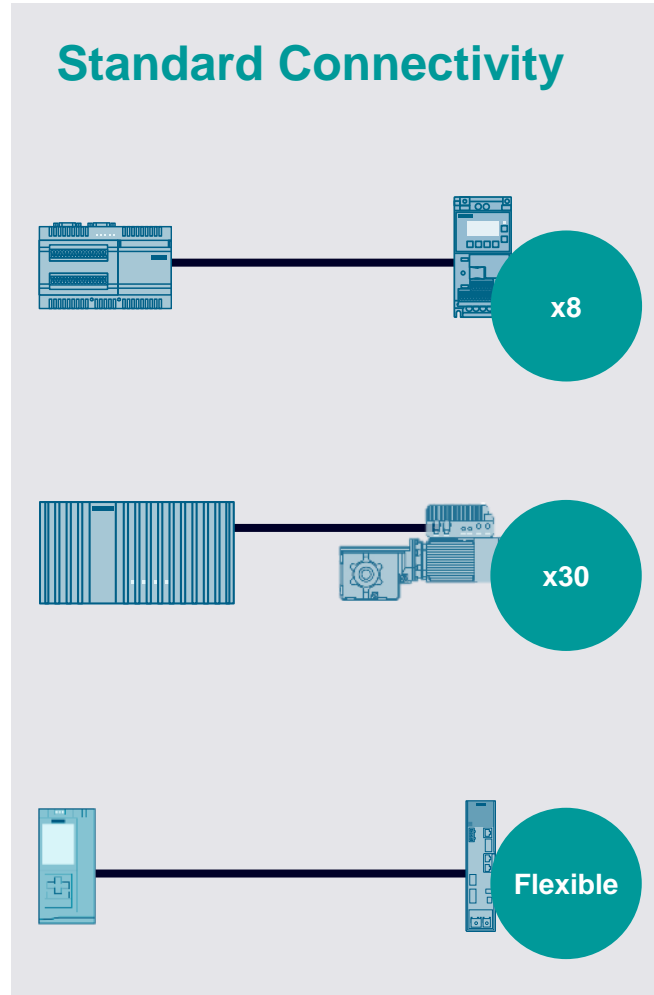


Drive train in MindSphere


- Global overview of machine state
- Identify upcoming issues prior to operational impact
- Connecting all relevant drive train components to MindSphere
- Automated monitoring and visualization of drive train KPI
- MindConnect and SINAMICS connect 300
- Analyze My Drives Cloud for MindSphere

Sell more drives and motors by offering MindSphere with Analyze MyDrives!


Ensure the productivity of your machine even remotely!



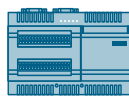
Transparency of your machine – at any time and from anywhere




MindSphere IoT Value Plan [3 month free trial!](#)
Create an account on our cloud platform MindSphere to collect and analyze data from your machines
Customer orders on dex.siemens.com




SINAMICS Analyze MyDrives
The tool that allows you to monitor multiple drive systems from a single point.
More information ([Link](#)). Customer order on dex.siemens.com



SINAMICS Connect 300
Connect up to 8 drives (MM4, V20, G120) via USS
More information ([Link](#)). Available on [Industry Mall](#)




MindConnect Nano / IOT2040
Connect up to 30 drives via Profinet to MindSphere
More information ([Link](#)). Available on [Industry Mall](#)




S7-1500 or S7-1200
Connect your drives via your PLC to MindSphere
More information ([Link](#)). Available on [Industry Mall](#)


Main value drivers



In the past getting transparency from the drive train has required programming. Now with MindSphere and Analyze MyDrives no programming is required.



Quickly configuration of charts of drive parameters to see how your drive train changings overtime

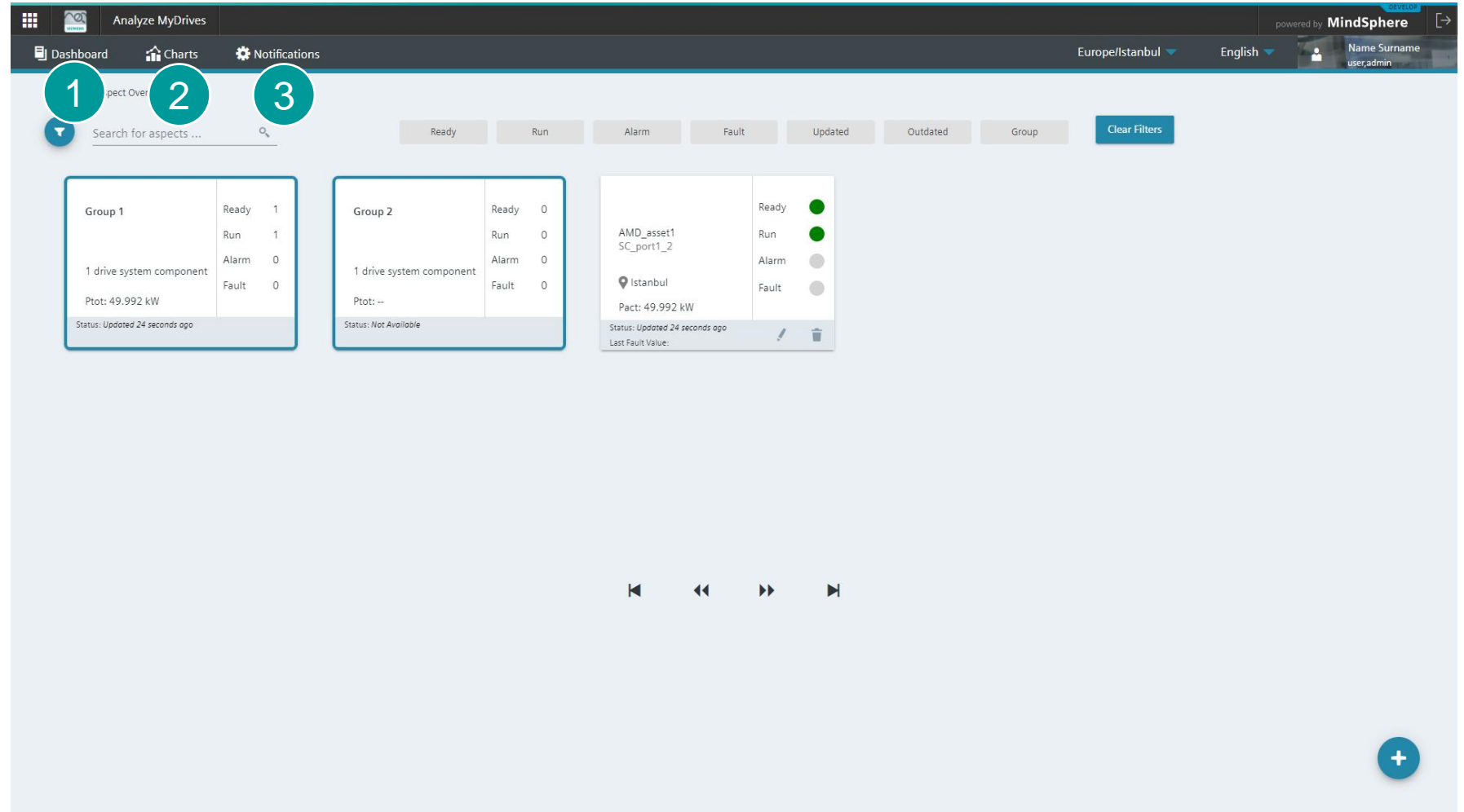


Set up email notifications in Analyze MyDrives and be notified when your drive train isn't working right.

Subscription ends automatically after free trial period, unless regular subscription is requested. Cancellation of free trial period is possible at any time.

Analyze MyDrives Cloud

- 1 Dashboard
- 2 Charts
- 3 Notifications



Dashboard:

- Group multiple drivetrain components together
- Power consumption displayed on dashboard page
- Actual status of the drive system component depending on the status word

Utilization Charts

Understand the usage of the drivetrain

Customer Value:

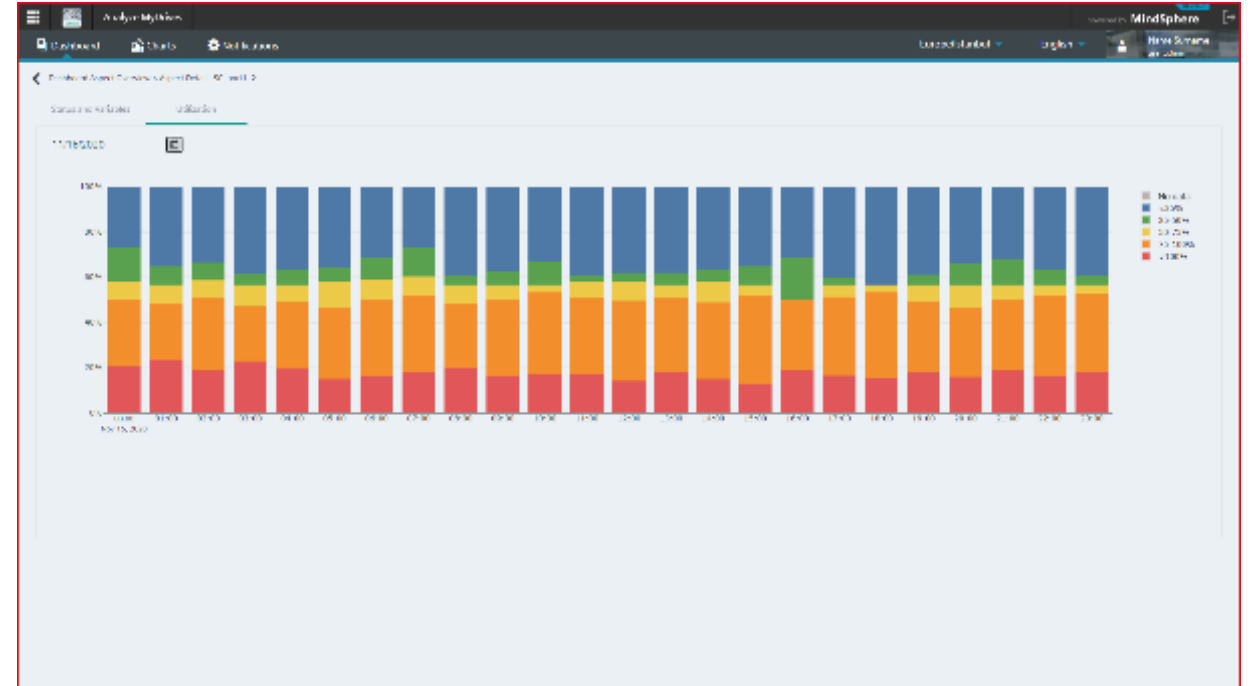
- With the Utilization charts you can easily see the utilization of the drivetrain hour by hour. Simplifying maintenance scheduling giving further detailed transparency for the machine operator.

Main Use-Case:

- Easily keep track of how the drives are utilized
- Color-coded utilization to highlight patterns in operations

Key Features / Capabilities:

- Drive utilization is calculated based on nominal values
- Based on hourly utilization, historical analysis can be shown



Multiple Data Charts

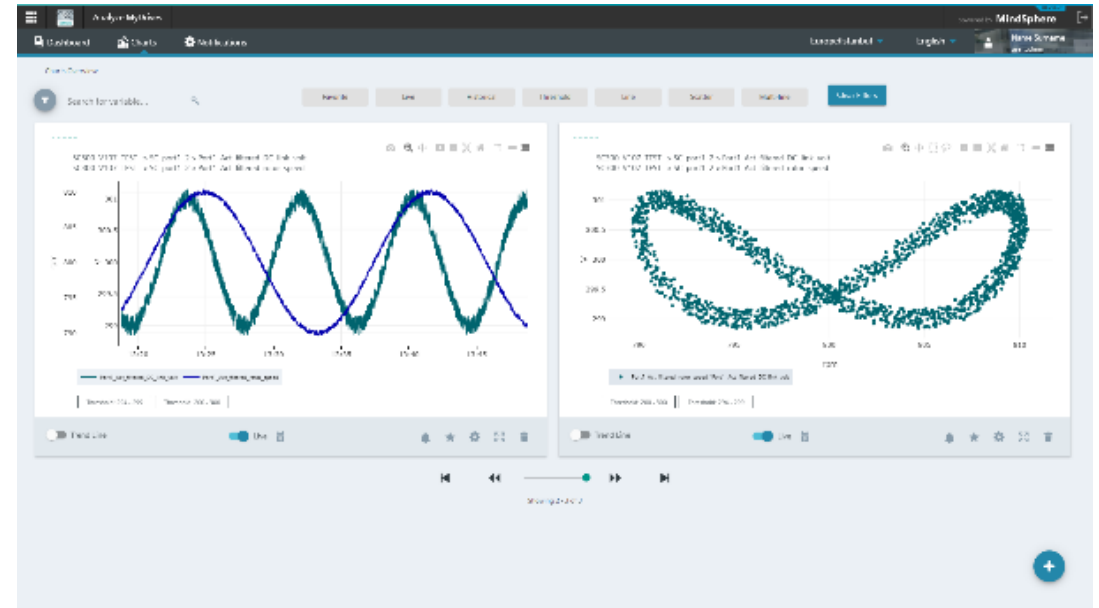
Reduce unplanned downtimes and accelerate problem fixing

Customer Value:

- Understanding how your machine is performing by seeing how two different parameters are related to over time. The ability to compare machine to machine or parameter to parameter.

Main Use-Case:

- Improve condition based maintenance and optimize utilization of resources by visualizing drive parameters
- Understand dependencies of drive parameters with scatterplot charts.
- Addressing also brown-field installations, not requiring additional sensors and supporting native MindSphere data model.



Key Features / Capabilities:

- Line and Multi-line type charts to monitor and analyze variables on the time domain
- Scatter charts to make bi-variate correlation analysis.

Advance Notifications

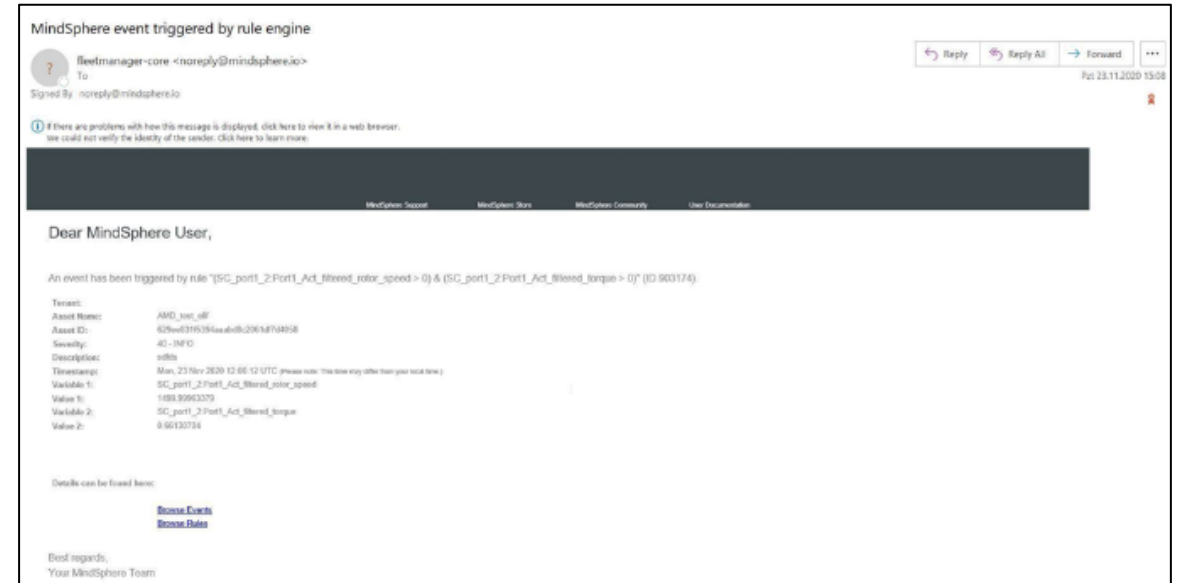
Powerful event based notification

Customer Value:

- Event based notifications are powerful for receiving early notifications before a problem arises. Setting the right notification threshold requires a deep understanding of a machine. Users now have the ability to finetune threshold settings (via hysteresis and bouncing time) to reduce nuisance notifications.

Main Use-Case:

- Nuisance notifications can result in the User turning off an important notifications. The ability to set tolerances lowers the chance of receiving nuisance notifications.
- Notifications now completely rely on MindSphere Notifications services make them more robust and scalable.



Key Features / Capabilities:

- Set tolerance for notification rule to reduce nuisance notifications
- Notification limit set by your MindSphere plan no longer within Analyze MyDrives
- Additional notifications can be purchased via Upgrade Launchpad
- 50 Email addresses per notification rule
- 10 notification rules for MindSphere IoT Value Plan S (upgradable)

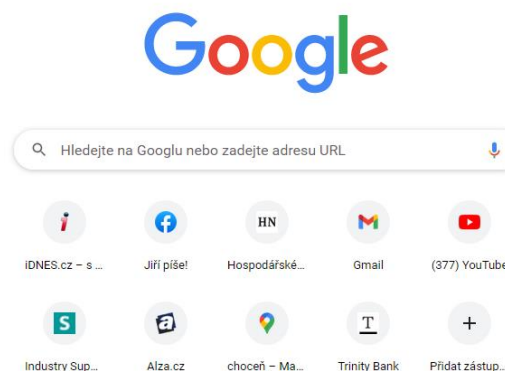
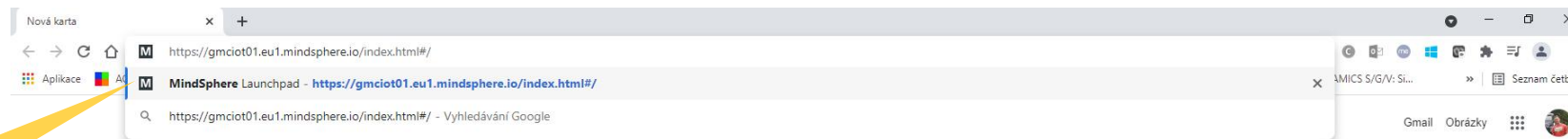
Analyze MyDrives Cloud 2.1

Praktická ukázka

Připojení se do MindSphere

1. Do webového prohlížeče zadáme adresu našeho přístupu do MindSphere, v mém případě:

<https://gmciot01.eu1.mindsphere.io/index.html#/>



Prizpůsobit Chrome

Přihlášení se do MindSphere

1. Vložíme přihlašovací údaje
a klikneme na tlačítko
Přihlásit.

Siemens Digital Industry Software

diswlogin.siemens.com/login?state=hKfo2S8fVExZcG15czJIU3E3WVFOVBAtnC1a1JyUXZXTVBuSqFupWxvZ2luo3RpZnkgN09hOUiFdG53RVZlZSEjCOj1HVzFza05KbjllN0pkMFwJY2lk2SBHN2RkWDc1MUg4dVNDc3J...

SIEMENS

Přihlásit

nebo vytvořit účet

Přihlášení se změnilo. Pokud jste se dříve přihlásili uživatelským jménem, použijte nyní e-mail. Potřebujete pomoc?

E-mail

Heslo [Zobrazit](#)

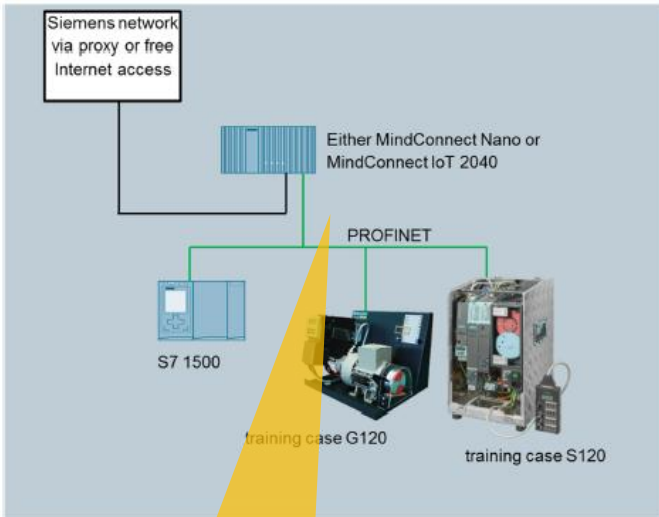
[Zapomněli jste heslo?](#)

Přihlásit

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Připojení měniče do MindSphere

Pozn.: Před samotným nastavením aplikace Analyze MyDrives je potřeba připojit zařízení do Cloudu. Je možno využít MindConnect Nano, IOT2040, SINAMICS Connect 300 nebo S7-1500. Podrobný návod je zde: <https://support.industry.siemens.com/cs/ww/en/view/109755908>

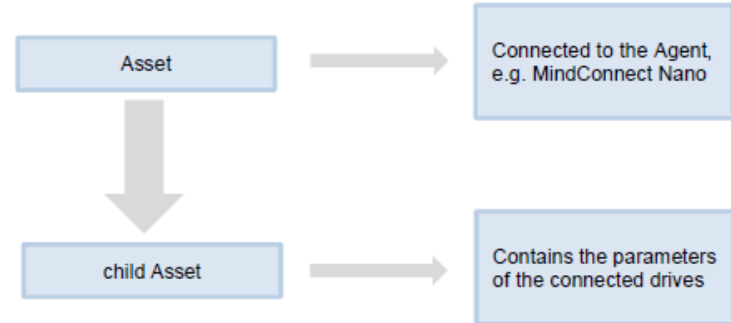


1. Zapojení MindConnect Nano / IoT2040.

2. Dle dokumentace jsou vytvořeny assety a struktury komunikovaných dat.

Preparation in the MindSphere

To be able to display the data in *MindSphere* with the *MindSphere* apps *Fleet Manager* or *Analyze MyDrives*, a subordinate *Asset* containing all parameters must be created in addition to the *Asset* that is connected to the *MindConnect Agent*.

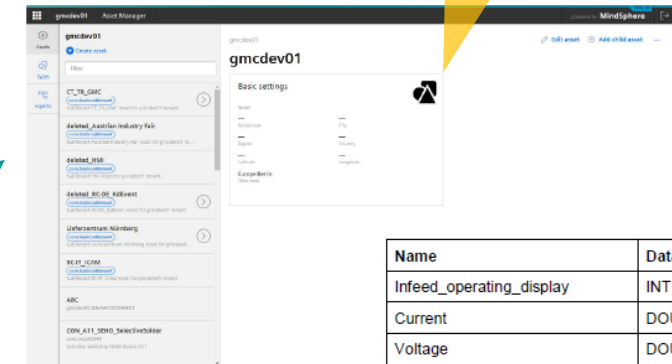


The subordinate *Assets* can be composed of *Types* and *Aspects*. *Aspects* and *Types* are templates that can be inserted again and again with identically used parameters.



3. Připojené zařízení.

In the *Asset Manager* the various connected *Assets* are managed and new ones can be created. The following figure shows the main menu of the *Asset Manager*.



4. Komunikované data.

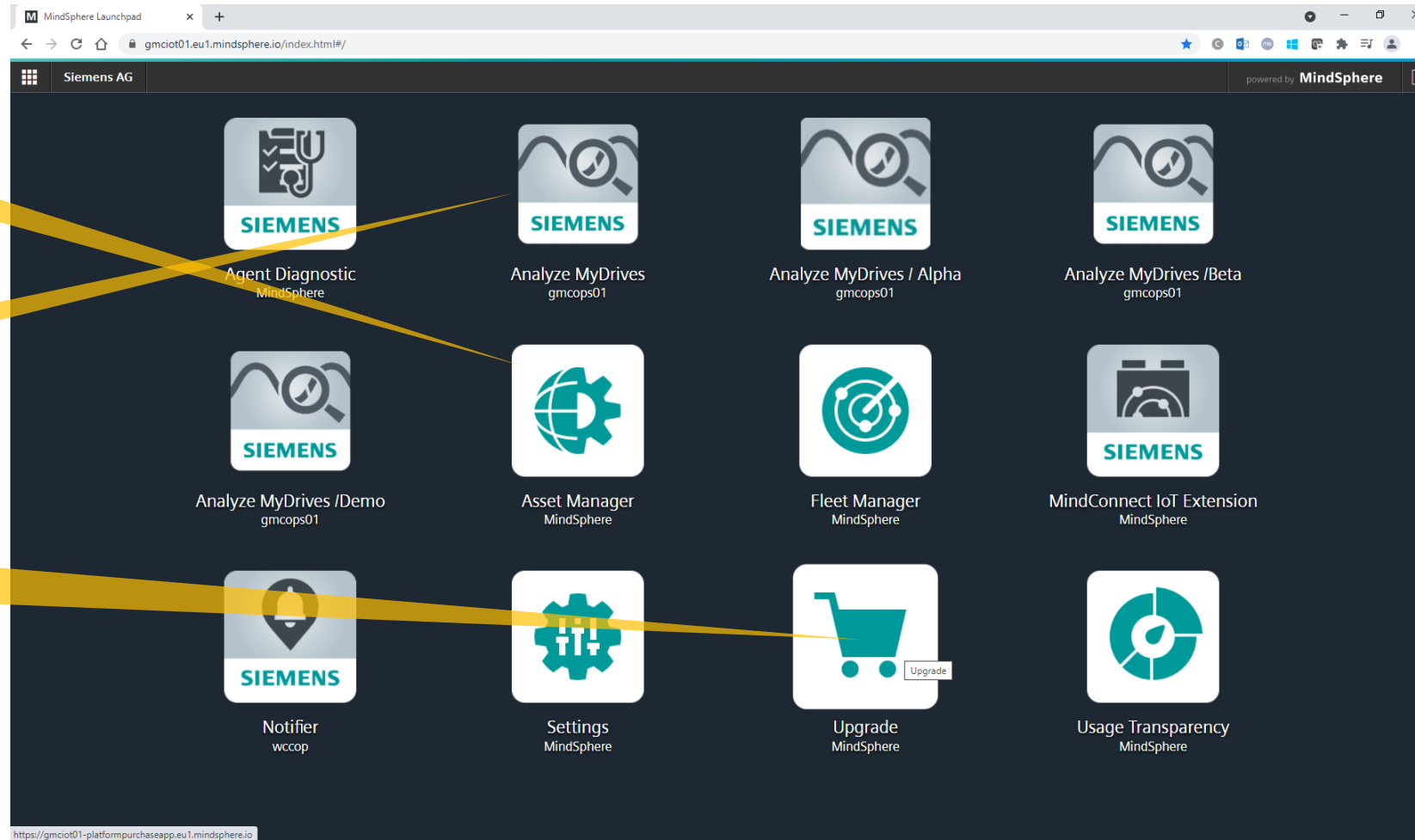
Name	Data type	Unit
Infeed_operating_display	INT	-
Current	DOUBLE	A
Voltage	DOUBLE	V
Torque	DOUBLE	Nm
Speed	DOUBLE	rpm
DC_Link_voltage	DOUBLE	V
Power	DOUBLE	kW
Motor_temperature	DOUBLE	degC
Energy_balance	DOUBLE	kWh
Fault_number_1	INT	-
Fault_number_2	INT	-
Fault_number_3	INT	-
Fault_number_4	INT	-
Fault_number_5	INT	-
Fault_number_6	INT	-
Fault_number_7	INT	-

Spuštění / uprage Mindspere o aplikaci Analyze MyDrives

1. Připojení zařízení je provedeno přes záložku Asset Manager.

2. Spustíme aplikaci Analyze MyDrives.

3. Pokud aplikaci MindSpehere neobsahuje, je nutné pod záložkou Upgrade aplikaci zakoupit.



Upgrade MindSphere o aplikaci Analyze MyDrives

1. Klikneme na odkaz *MindSphere Applications*.

The screenshot shows a web browser window with the URL `gmcot01-platfornpurchaseapp.eu1.mindsphere.io/home`. The page title is "Upgrade" and it is powered by MindSphere. The main content area is titled "Upgrade" and includes a sub-header "Contract Information" with a box showing "26 days left (2021-08-16 00:00:00)". Below this is an "Overview" section with a card for "Available Products" showing a total of 23 and a "Check Products" link. At the bottom of the overview is a "Most recent activities" section with a single activity: "Upgrade for Rules Quota Upgrade (100 Rules) provisioned IPP-1000". On the right side, there is a "Quick Links" sidebar with the following items: "Products and Packages" (Browse Catalog), "Transaction History" (Browse Transactions), "Get more Information" (MindSphere Applications, MindConnect Products, MindAccess Products, User Documentation), and "Explore" (Check my quota). A yellow callout box on the left points to the "MindSphere Applications" link in the "Get more Information" section.

Upgrade MindSphere o aplikaci Analyze MyDrives

1. Vyhledáme aplikaci *Analyze MyDrives*.

2. Po vyhledání klikneme na aplikaci *Analyze MyDrives*.

The screenshot shows a web browser window displaying the Siemens PLM Store search results for 'Analyze MyDrives'. The browser address bar shows the URL: dex.siemens.com/ccrz__ProductList?cartID=&operation=quickSearch&searchText=Analyze%20MyDrives&portalUser=&store=&cccl=cs_CZ. The page header includes the Siemens logo and navigation links for PLM Store, MindSphere Store, and Industrial Edge Marketplace. A search bar at the top right contains the text 'Analyze MyDrives' and shows a dropdown menu with the search results. Below the search bar, there are two product cards for 'Analyze MyDrives' and 'Analyze MyDrives Upgrade'. The 'Analyze MyDrives' card features a magnifying glass icon and the text 'Analyze MyDrives' and 'Kč1.271 / month Billed Monthly'. The 'Analyze MyDrives Upgrade' card features a magnifying glass icon and the text 'Analyze MyDrives Upgrade' and 'Kč1.271 / month Billed Monthly'. Both cards have a 'Learn More' button. To the left of the product cards, there are filter sections for 'Provided By' (Siemens) and 'Industry' (Aerospace & Defense, Automotive & Transportation, Consumer Products & Retail, Energy & Utilities, Industrial Machinery & Heavy Equipment, Marine, Medical Devices & Pharmaceuticals, Process Industry). The footer of the page contains links for Software Solutions, Your Success, Our Story, and Contacts.

Upgrade MindSphere o aplikaci Analyze MyDrives

1. Aplikaci nainstalujeme.

Upgrade

Analyze MyDrives

dex.siemens.com/mindsphere/applications/analyze-mydrives?viewState=DetailView&cartID=c6b00450-0647-4fca-8eed-92499a379c47&portalUser=&store=&ccl=cs_CZ

My Account My Cart: 0 item Login / Sign up

SIEMENS Ingenuity for life

PLM Store MindSphere Store Industrial Edge Marketplace

Search

Siemens PLM > MindSphere Store > Applications > Analyze MyDrives

Analyze MyDrives

Provided by SIEMENS

The MindSphere application Analyze MyDrives allows you to monitor multiple drive systems from a single point.

Analyze MyDrives allows you to monitor multiple drive systems from a single point using a dashboard to immediately determine drive system utilization without additional hardware.

The application provides a collective view of multiple drive system components within the selected filters defined by location, drive status, asset, label, etc. In addition, line and scatter plot charts of selected drive system component variables are accessible. Users receive notifications via email based on configurable minimum and maximum threshold values.

More information about digitalization in drive technology.

> Offering Overview

Quantity Minimum: 1

Total: Kč1.271/ month

Subscription term: Monthly
Billing term: Monthly

Supported Purchase Methods: Request Quote

Add to Cart

Key Features and Benefits

Key Features:

- Configurable dashboard view according to drive system component type.
- Multi-variable, line and scatter visualization for analyzing data.
- Utilization
- E-mail notification service for threshold values and connectivity.

Chat With Sales

Spustíme aplikaci Analyze MyDrives

1. Nastavíme jazyk.

The screenshot displays the Siemens AG Analyze MyDrives dashboard. The top navigation bar includes 'Siemens AG', 'Analyze MyDrives', and 'powered by MindSphere'. The user is logged in as 'Adam Koncer' with the role 'admin.user'. The dashboard features a search bar for aspects and filter buttons for 'Ready', 'Run', 'Alarm', 'Fault', 'Updated', 'Outdated', and 'Group'. The main area shows several device status cards, including 'test001', 'SINAMICS S120S150', 'SINAMICS V20', 'SM12B1', 'AMD_CMS_TEST', 'SINAMICS V20', and 'SINAMICS G1150'. A yellow callout points to the 'English' language dropdown in the top right. Another yellow callout points to the 'Add a new aspect' button at the bottom right.

2. Přidáme nové zařízení.

Zvolení Assetu

1. Zvolíme asset.

The screenshot shows the 'Analyze MyDrives' web application. A modal window is open, titled 'Select an asset', which is the first step of a three-step process. The modal contains a search bar and a grid of asset cards. Each card displays an asset ID, a location (Brno), and a cloud icon. The card for 'DEMOCASE_213_G120_VAR IABLES Brno' is highlighted with a blue checkmark, indicating it is the selected asset. A yellow callout box points to this card with the text '1. Zvolíme asset.'. At the bottom right of the modal, there are 'Cancel' and 'Next' buttons. A second yellow callout box points to the 'Next' button with the text '2. Další.'. The background of the dashboard shows a 'Dashboard Aspect Overview' with a search bar and a table of assets. The table includes columns for asset ID, status, and location. The asset 'test001' is listed with a status of 'Ready' and location 'Istanbul'. The asset 'SM1281' is listed with a status of 'Updated 4 second...' and location 'Istanbul'. The dashboard also shows a '1 drive system component' with a status of 'Not Available'.

2. Další.

Zvolení aspectu

1. Zvolíme správný aspect – komunikované data z měniče.

The screenshot shows the 'Analyze MyDrives' web application. A modal dialog box is open, titled 'Select an aspect'. The dialog has three progress indicators: 'Select an asset' (completed), 'Select an aspect' (active), and 'Additional Information' (pending). Below the progress indicators is a search bar labeled 'Search for ...'. A table lists available aspects:

Aspect Name	Aspect Type	Category	Total Variab
<input checked="" type="checkbox"/> G115D_BasicParams	G115D_BasicParams	dynamic	18
<input type="checkbox"/> firmwareStatus	FirmwareStatus	static	3
<input type="checkbox"/> status	AgentOnlineStatus	dynamic	1

At the bottom of the dialog are three buttons: 'Cancel', 'Back', and 'Next'. The 'Next' button is highlighted with a yellow callout that says '2. Další.'.

Nastavení proměnných

1. Vyplníme správně data, se kterými bude aplikace pracovat.

2. Potvrdíme.

The screenshot shows the 'Analyze MyDrives' web application interface. A modal window is open for configuring a drive. The modal has three progress steps: 'Select an asset' (completed), 'Select an aspect' (completed), and 'Additional Information' (in progress). The configuration options are as follows:

- Select Component Type:** Drive
- Select Drive Type:** SINAMICS G120
- Select Status Word Variable:** Status_word_1
- Select status word bits for default overview:** Ready: 0, Run: 2, Alarm: 7, Fault: 3
- Select Fault Code Variable:** Fault_number_1
- Select Actual Power Variable:** Power
- Utilization Configuration:** Current
- Grouping Configuration:** No Grouping
- Define MLFB and Serial Number:** G120_MC_LAB_BRQ

Buttons at the bottom of the modal: Cancel, Back, Add To Dashboard.

Dashboard

1. Zařízení bylo přidáno. Vidíme status zařízení, lokaci, a aktuálně spotřebovávaný výkon.

The dashboard displays a grid of drive system components. Each card shows the device name, status (Ready, Alarm, Fault, Run), location, and power consumption (Pact). A search bar and filter buttons are at the top. A yellow callout points to a device card, and another points to a detail view overlay.

Device Name	Status	Location	Pact (kW)
test001	Ready	1 drive system component	---
SINAMICS S120S150	Alarm	Karstai	-0.000 kW
SINAMICS V20	Ready	Karstai	---
SM1281	Channel 1	Istanbul	---
SINAMICS V20	Ready	Karstai	---
SINAMICS G115D	Ready	Karstai	---
SINAMICS G120	Ready	Brno	0.000 kW

2. Klikneme na zařízení, zobrazí se nám další detaily.

Zobrazení stavu měniče

1. Status and Variables. Zde vidíme do veškerých komunikovaných dat, které jsou v daném aspectu.

2. StatusWord měniče.

The screenshot displays the 'Analyze MyDrives' web application interface. The main content area is titled 'Dashboard Aspect Overview > Aspect Detail - G115D_BasicParams'. It features three tabs: 'Status and Variables', 'Utilization', and 'Info'. The 'Status and Variables' tab is active, showing a 'Filter status...' panel on the left and a 'Filter variable...' table on the right.

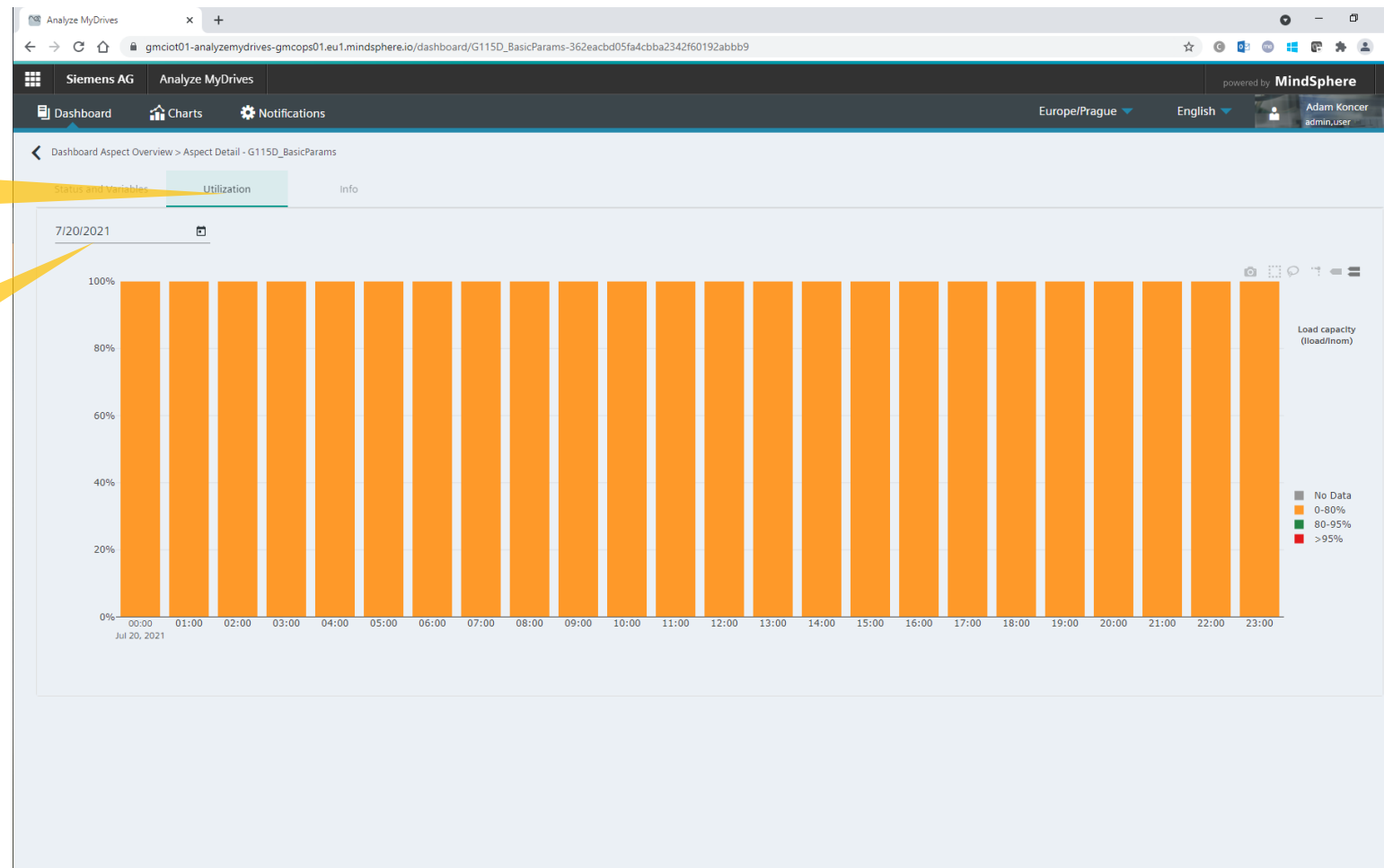
The 'Filter status...' panel contains a list of status variables with checkboxes and color-coded indicators (red for 'Ready', green for 'Run', red for 'Alarm'). The 'Filter variable...' table displays the following data:

Variable Name	Value	Unit	Last Update Time	Go To Chart
Current	0.007012868	A	July 21, 2021 12:07 PM	
DC_link_voltage	327.89313	V	July 21, 2021 12:07 PM	
Energy_consumption	14.742124	kWh	July 21, 2021 12:07 PM	
Fault_number_1	8501	-	July 21, 2021 12:07 PM	
Fault_number_2	8501	-	July 21, 2021 12:07 PM	
Fault_number_3	0	-	July 21, 2021 12:07 PM	
Fault_number_4	0	-	July 21, 2021 12:07 PM	
Fault_number_5	0	-	July 21, 2021 12:07 PM	
Fault_number_6	0	-	July 21, 2021 12:07 PM	
Fault_number_7	0	-	July 21, 2021 12:07 PM	
Fault_number_8	No data in last hour	-	-	
Inverter_state	45	-	July 21, 2021 12:07 PM	
Motor_speed	4.0066245e-36	rpm	July 21, 2021 12:07 PM	
Power	0	kW	July 21, 2021 12:07 PM	
Status_word_1	60376	-	July 21, 2021 12:07 PM	
Temperature	20.018658	°C	July 21, 2021 12:07 PM	
Torque	7.241355e-38	Nm	July 21, 2021 12:07 PM	
Voltage	8.7923026e-38	V	July 21, 2021 12:07 PM	

Vytížení měniče v daném časovém období

1. Dále záložka *Utilization*. Je zobrazeno vytížení měniče v závislosti na čase.

2. Data jsou v MindSphere ukládány po dobu až 6ti měsíců. Zde je možno měnit zobrazovaný časový úsek.



Průběhy - nastavení proměnných

1. Klikneme na záložku *Charts*.

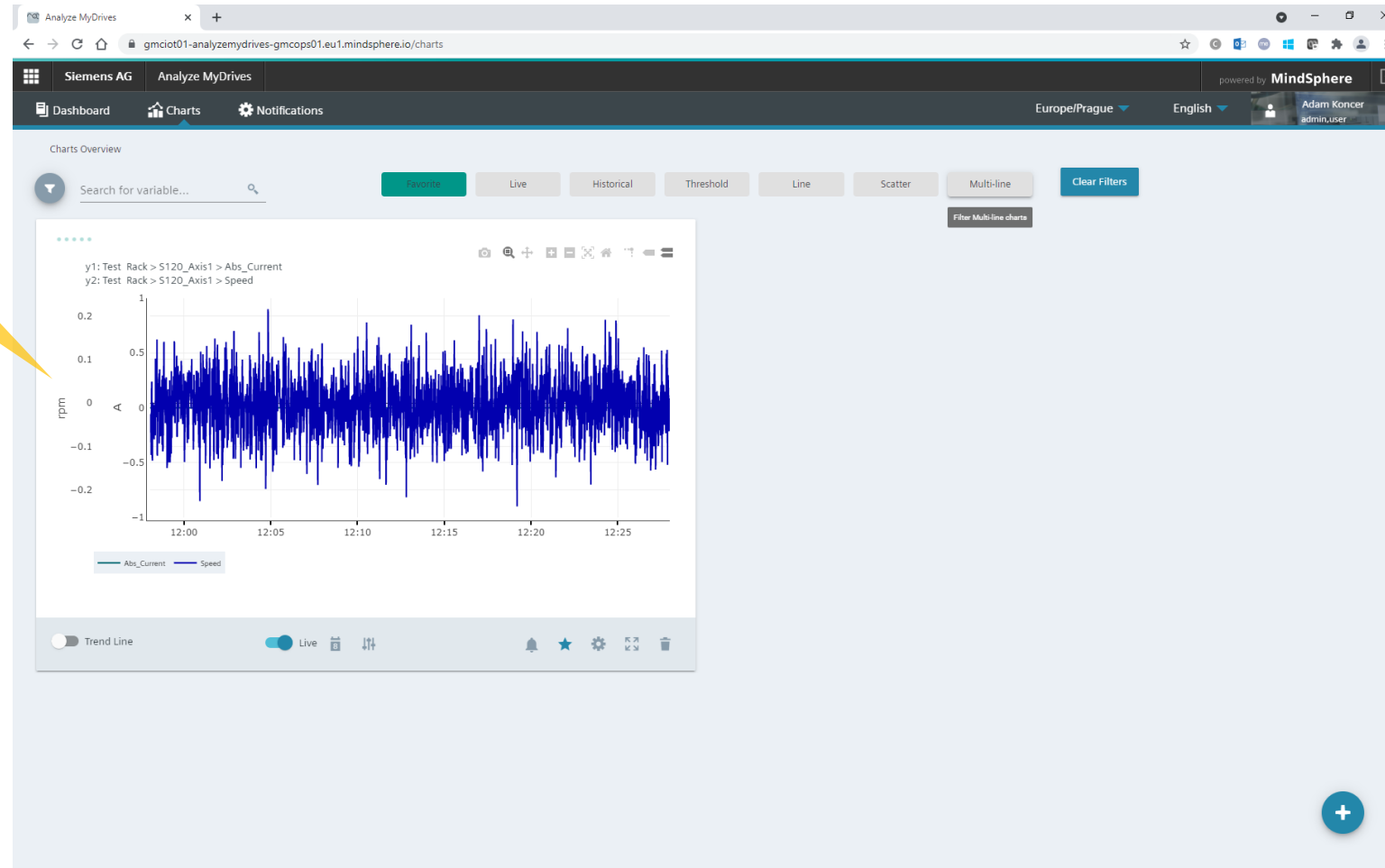
3. Na obrázku je vidět konfigurace otáček a proudu v závislosti na čase.

2. Vytvoříme nový chart.

4. Save.

Průběhy

1. Zobrazení chartu.



Notifikace

1. Zde vidíme náhled na aktuálně nastavené upozornění.

2. Pokud chceme nějaké upozornění přidat – klikneme na požadovaný Asset.

The screenshot shows the 'Analyze MyDrives' web interface. The top navigation bar includes 'Siemens AG', 'Analyze MyDrives', and 'MindSphere'. The main content area is divided into two sections: 'Asset List' on the left and 'Rules' on the right. The 'Asset List' contains several entries, including 'Amd_DoNotDelete_Asset', 'AMD_CMS_TEST', 'Amd_GmcSecond_Asset', 'Democase_213_G120_Variables', and 'Democase_387_G115D_Variables'. The 'Rules' section displays a table of notification rules with columns for Name, Description, Additional Actions, and Active status.

<input type="checkbox"/>	Name	Description	Additional Actions	Active
<input type="checkbox"/>	Port1_Act_filtered_DC_link_volt_Rule_305.66043091	Information Text	Email: emre.sencan@siemens.com	✓
<input type="checkbox"/>	G115D_BasicParams:Current > 0.5	Current too high	Email: adam.koncer@siemens.com	✓
<input type="checkbox"/>	Port1_Act_filtered_DC_link_volt_Rule	Information Text	Email: emre.sencan@siemens.com	✓
<input type="checkbox"/>	SINAMICSConnect_port1:port1_Act_filtered_power > 10	dene		✓
<input type="checkbox"/>	SINAMICSConnect_port1:port1_Act_filtered_power < 5	dene2		✓
<input type="checkbox"/>	G120X:DC_link_voltage > 0	test	Email: taylor.zwick@siemens.com	✓
<input type="checkbox"/>	G115D_Data_Aspect:G115D_Act_Current [0.4 , 0.6]	Strom innerhalb des Intervalls 0.4 ... 0.6 A	Email: alexander.conradi@siemens.com	✓

Notifikace

1. Nastavíme vyhodnocované kritérium. Např.: Pokud je proud měniče vyšší než 0.5A po dobu delší než 5s...

2. Do pravidla je možno přidat další podmínku.

The screenshot displays the 'Notifications' configuration interface in the Siemens AG 'Analyze MyDrives' application. The interface is divided into several sections:

- Asset List:** A list of assets on the left side, including 'Amd_DoNotDelete_Asset', 'AMD_CMS_TEST', 'Amd_GmrcSecond_Asset', 'Democase_213_G120_Variables', and 'Democase_387_G115D_Variables'.
- Rules:** A main configuration area with four steps: 1. Condition, 2. Default event & limit, 3. Additional actions, and 4. Rule name.
- 1. Condition:** The active step, showing a condition configuration for 'G115D_BasicParams:Current - double' with an operator 'greater than' and a threshold of '0,5'. It also includes a 'Debouncing time' of '5' seconds.
- Buttons:** 'Add condition', 'Next step', 'Cancel', and 'Save' buttons are visible at the bottom of the configuration area.

A yellow callout box points to the 'Next step' button with the text '3. Dále.'.

Notifikace

1. Notifikaci můžeme definovat jako informaci, varování nebo chybu a vhodně jej pojmenujeme.

2. Notifikace může být také např. vyvolána jen jednou za určité období – např. 1x za minutu.

The screenshot shows the 'Analyze MyDrives' web application. The main configuration area is titled '2. Default event & limit'. It includes a 'Severity' dropdown set to 'Warning' and a 'Description*' field containing 'Current is higher than 0.5A'. Below this is the 'Limit events in time' section, which is set to 'Not more than one event in' with a 'Limit' of '1' and a 'Unit' of 'minute(s)'. A graph below the graph shows a sine wave with a horizontal threshold line. The graph illustrates the suppression logic: when the signal crosses the threshold, an action is triggered (marked with a green circle), and subsequent actions are suppressed (marked with red 'X's) until the suppression period ends (marked with a red vertical bar). A legend below the graph explains the symbols: a green circle for 'Action triggered and suppression started', a red 'X' for 'Suppressed action', and a red vertical bar for 'End of action suppression'. At the bottom of the configuration area, there are 'Next step', 'Cancel', and 'Save' buttons. A yellow callout points to the 'Next step' button with the text '3. Dále.'

Notifikace

1. Nastavíme email, na který bude upozornění zasíláno.

The screenshot shows the 'Analyze MyDrives' web application. The top navigation bar includes 'Siemens AG', 'Analyze MyDrives', and 'MindSphere'. The main content area is titled 'Drive G115D on democase 387'. It features a graph with a blue waveform and vertical shaded regions representing suppression periods. A legend below the graph explains the symbols: a blue circle for 'Action triggered and suppression started', a red 'X' for 'Suppressed action', and a red bracket for 'End of action suppression'. Below the graph is the '3. Additional actions' section, where the 'Email' checkbox is checked. The email configuration field shows 'adam.koncer@siemens.com' and a 'New email address' input field. A disclaimer note states: 'There is no warranty that email transfer will be uninterrupted, secure or error free or that emails will reach their intended destination during any stated time-frame. A maximum of one email per minute per rule will be sent.' At the bottom, there are 'Cancel' and 'Save' buttons. A yellow callout box points to the 'Save' button with the text '2. Uložíme.'

2. Uložíme.

Notifikace

1. Pod assetem vidíme vytvořenou notifikaci.

The screenshot shows the 'Analyze MyDrives' web interface. The top navigation bar includes 'Siemens AG', 'Analyze MyDrives', and 'MindSphere'. The main content area is divided into two panes: 'Asset List' on the left and 'Rules' on the right. The 'Asset List' pane shows a scrollable list of assets, with 'Democase_213_G120_Variables' highlighted in blue. The 'Rules' pane shows a table of notification rules. A yellow callout bubble points to the first rule in the table.

<input type="checkbox"/>	Name	Description	Additional Actions	Active
<input type="checkbox"/>	G115D_BasicParams:Current > 0.5	Current is higher than 0.5A	Email: adam.koncer@siemens.com	✓

I Díky za pozornost

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