

up next

14:00

## Der Fahrplan in die Zukunft von XAMControl

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292

# Ideen einbringen





- ❖ Iterate
- ❖ Kill
- ❖ Park
- ❖ Go Small
- ❖ Go Big

## Detailinformation

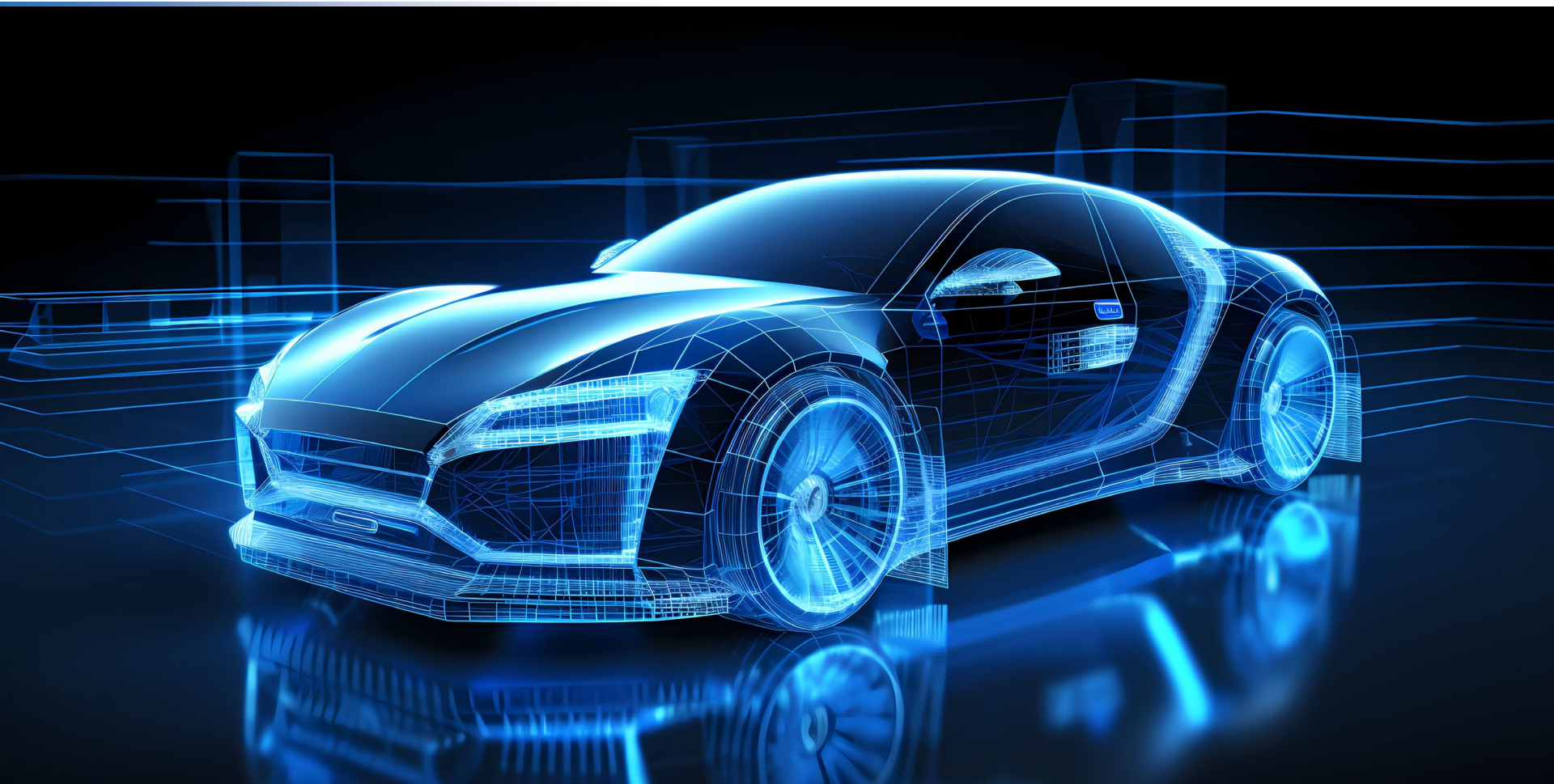


# Priorisierung und Planung

- ❖ Now
- ❖ Next
- ❖ Later



# Konzepterarbeitung

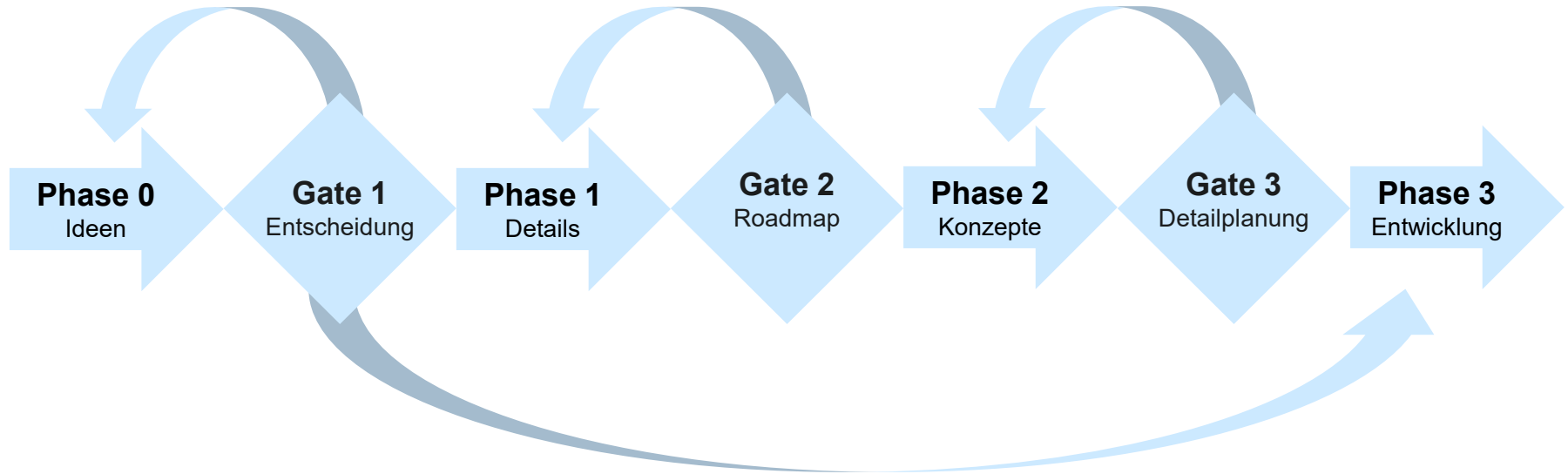


# Detailplanung





# Der Prozess



# Strategische Entwicklungen





## Refactoring

- ❖ Kommunikation auf Pub-Sub
- ❖ Up next:
  - ❖ Vorbereitung Pub-Sub für Treiber
  - ❖ Auftrennen der Services

## Refactoring

- ❖ Anpassungen an der Basis
- ❖ Treiberframework
- ❖ Pub-Sub



# XAMControl Web

The screenshot displays the XAMControl Web development environment. The main workspace is a blue grid where a control panel is being designed. The panel features a dark grey header with an 'Alarm' icon and a 'Warning' icon. Below the header, there is a text area containing Lorem Ipsum text and a bulleted list. At the bottom of the panel, there are two buttons: a blue 'Fill' button and a red 'Stop' button.

**Building Blocks**

- Filter building blocks
- Enter at least 3 characters to start filtering
- Favorites
  - XAM Input Field
  - XAM Button
  - Divider
  - Tank Fill Threshold
- Recent
  - Container
  - Rectangle
  - Text
  - Divider
  - Pipe
- Basic blocks
  - XAM Input Field
  - XAM Button
  - XAM Radio Button
  - XAM Checkbox

**Properties**

- Filter properties
- Enter at least 3 characters to start filtering
- Smart container: Off
- Width: 100
- Height: 100
- Box sizing: Border box
- Border
  - Width: 1
  - Color: Red
  - Style: Solid
- Advanced
  - Classes
  - Style

**Event Listeners**

- Filter event listeners
- Enter at least 3 characters to start filtering
- click: handleOnClick
- mouseover: highlightAlarms
- mouseout: stopHighlight
- @customEvent: updateText

# XAMControl als SCADA System



## MES Server

- ❖ Verteilter Betrieb
- ❖ Modulare und eventgetriebene Architektur

## MES Editor

- ❖ Intuitive Bedienung
- ❖ Einarbeitung vieler Kundenfeedbacks

The screenshot displays the MES Editor interface. On the left is a dark sidebar with navigation options: Home, MATERIAL, EQUIPMENT, PRODUKTION, EDITOR (highlighted), and ADMINISTRATION. The main area shows a process definition for 'DCD 6 und DCD 8 | V1.3'. It includes a search bar, a list of process segments (Prozesssegmente, Produktsegmente, Produktdefinition), and a table of steps (Schritte). The table has columns for Name, Beschreibung, Bedingung, NIO, and Tags. The steps are: 1. Allgemeine Anweisung, 2. Operation 1 (with sub-step 2. Schritt 1), 3. Station 1, 4. Station 2, 5. Station 3, 6. Station 4, and 7. Station 5. Each step has associated conditions and tags.

Schritte	Parameter	Material	Equipment	History	
Name	Beschreibung	Bedingung	NIO	Tags	
1	Allgemeine Anweisung	Stationsbeschreibung	ConditionTest == Value1	<input type="checkbox"/>	2
2	Operation 1				1
2	Schritt 1				1
3	Station 1	Stationsbeschreibung	+	<input type="checkbox"/>	1
4	Station 2	Stationsbeschreibung	ConditionTest == Value1	<input type="checkbox"/>	1
5	Station 3		ConditionTest == Value1	<input type="checkbox"/>	2
6	Station 4		+	<input type="checkbox"/>	2
7	Station 5		+	<input checked="" type="checkbox"/>	2

The screenshot displays the 'Hauptrezept' (Main Recipe) configuration window. The interface is divided into several sections:

- Search in products...:** A search bar with a magnifying glass icon, a refresh icon, and a plus icon. Below it, a list shows 'Hauptrezept v3' selected.
- Product Information:** Fields for 'Name: Hauptrezept' and 'Version: 3'.
- SEGMENTS / PARAMETERS:** A tabbed interface with 'PARAMETERS' selected. Below it is a table of parameters:

Datatype	Name	Initial Value
123	Durchmesser	1 mm
123	Laenge	5000 m
123	Dichte	1,17
123	Drehmoment	30 Nm
ABC	Beschriftung	SerialNumber

- Search in product segments...:** A search bar with a magnifying glass icon, a refresh icon, and a plus icon. Below it, a list shows 'Maschine 1 v1', 'Maschine 2 v1', 'Maschine 3 v2', and 'Maschine 4 v1' selected.

## MES Light

- ❖ Intuitive Bedienung
- ❖ Direkte Kommunikation zur PLC
- ❖ Einfach erweiterbar





14,2 kW

Energie-Erzeugung: 4 905,1 kWh

Heutige Energie: 43,8 kWh



CO2-Ersparnis: 2,31 t



Reichweite: 24525 km

### Energieverbrauch

heute: 444,0 kWh

Gestern: 476,0 kWh

Differenz: -32,0 kWh

Diese Woche: 3 108,2 kWh

Letzte Woche: 3 140,0 kWh

Differenz: -31,8 kWh

Dieser Monat: 12 432,7 kWh

Letzter Monat: 13 138,0 kWh

Differenz: -705,3 kWh

Dieses Jahr: 162 068,8 kWh

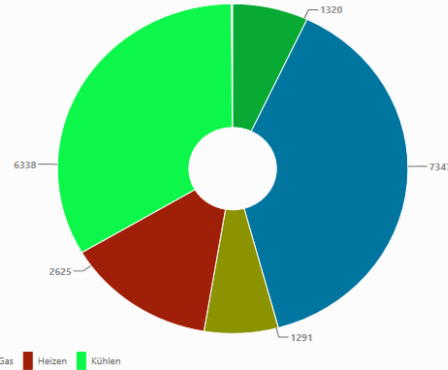
letztes Jahr: 162 780,0 kWh

Differenz: -711,2 kWh

Alle Verbraucher

### Verbrauchsanalyse

Verschiedene Medien [kWh]



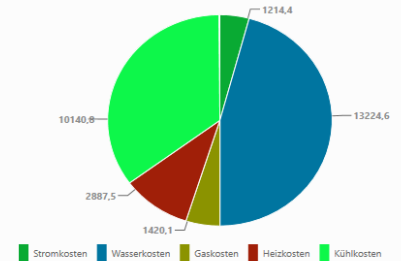
■ Strom ■ Wasser ■ Gas ■ Heizen ■ Kühlen

### Wöchentliche Energie

	evon E-Charger (kWh)	evon PV-Anlage (kWh)
KW17	341,8	545,91
KW18	244,9	581,45
KW19	233,8	638,78
KW20	294,4	528,29
KW21	319,2	586,09
KW22	228,8	601,26
KW23	365	389,25
Min	228,8	389,25
Max	365	638,78
Sum	2027,9	3871,03

### Kostenverteilung

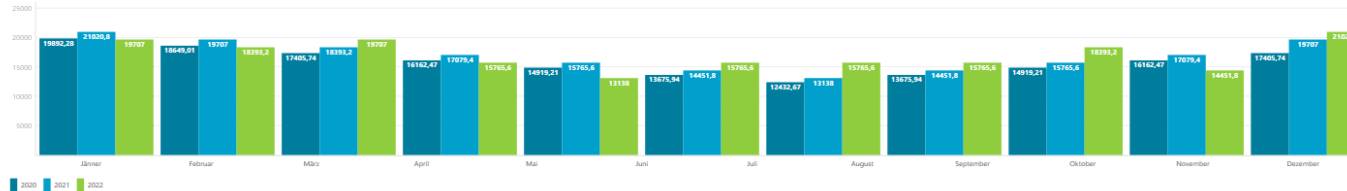
Nach Medien [€]



■ Stromkosten ■ Wasserkosten ■ Gaskosten ■ Heizkosten ■ Kühlkosten

### Monatsvergleich

inkl. Jahresvergleich



„Entweder wir finden einen Weg, oder wir machen einen.“ (Hannibal)



**Alexander HEHENBERGER**  
Produktmanager

**Jennifer REITBAUER**  
Entwicklungsleitung

