CAALA

UNLOCKING SUSTAINABILITY

Plattform für energieeffizientes & klimaneutrales Bauen

Vorstellung CAALA GmbH

techstars

eit Climate-KIC

European Commission
Horizon 2020
European Union funding
for Research & Innovation

eXIST
Existenzgründungen
aus der Wissenschaft

GEFÖRDERT VOM
Bundesministerium
für Bildung
und Forschung

CAALA TEAM

Philipp Hollberg
Geschäftsführer

Suryaveer Patnaik
Product Owner

Samuel Ebert
Leiter CAALA Services

Rafael Aguilera
Leiter IT

Falko Döring
Business Development

Dr. Alexander Hollberg
Leiter F&E

Dr. Ulf Hollberg
Softwareentwickler

Rahima Akter
Softwareentwicklerin

Ezgi Kilinc
Beratung

Margarita Konorova
Beratung

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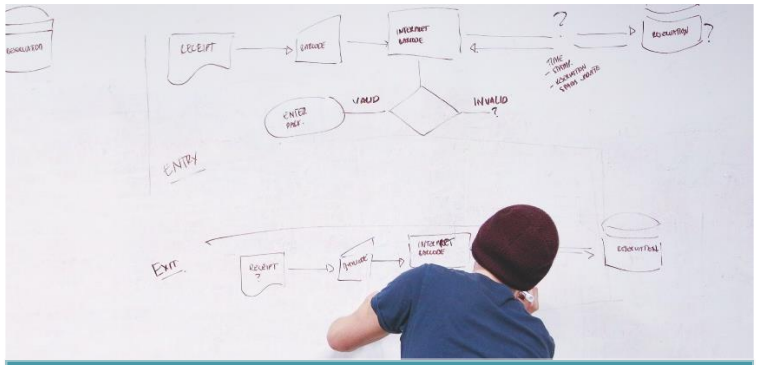
UNLOCKING SUSTAINABILITY

CAALA Services | Übersicht

CAALA Software



CAALA Training

CAALA Consulting

Neubau | Sanierung

Essentials | Advanced | Expert

Beratung | Nachweisführung

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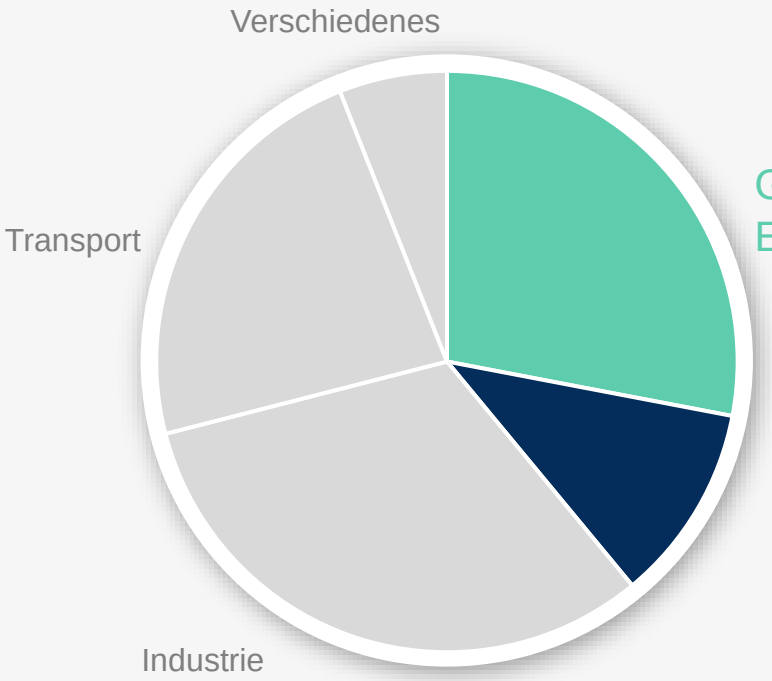
UNLOCKING SUSTAINABILITY

MOTIVATION



Gebäudebetrieb: 28% der globalen CO_2-Emissionen

Baumaterialien: 12% der globalen CO_2-Emissionen

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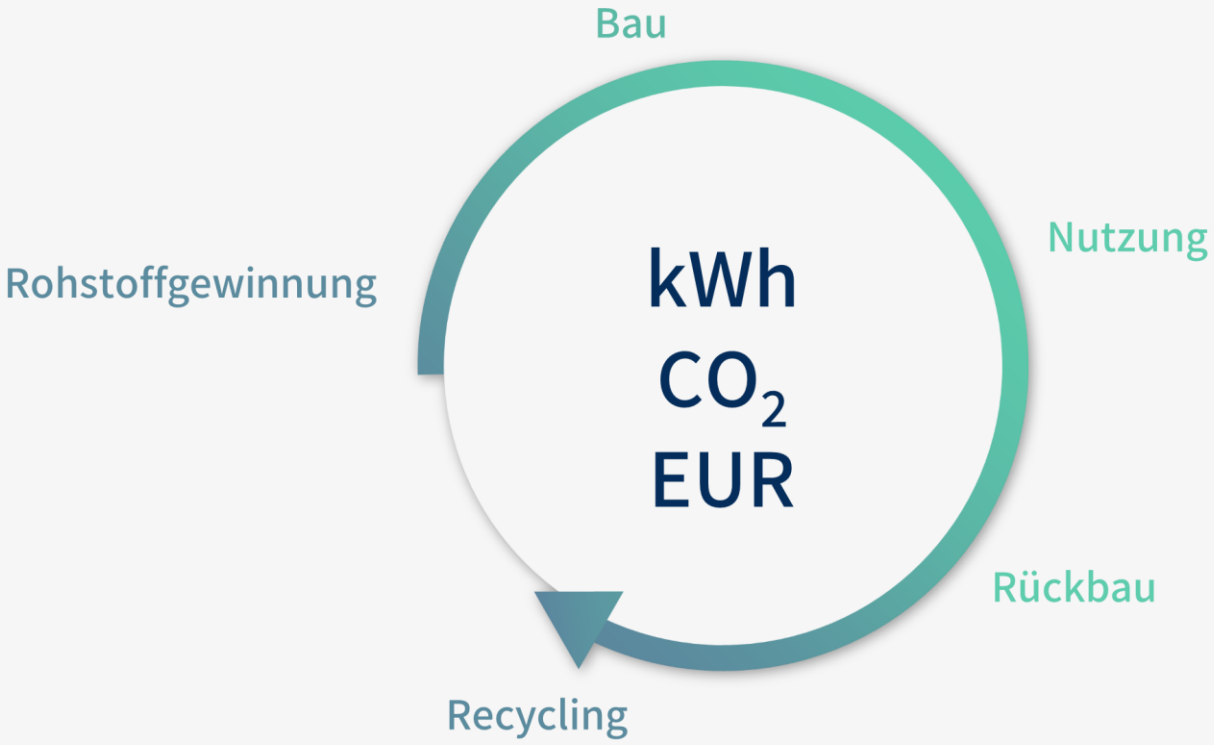
MOTIVATION



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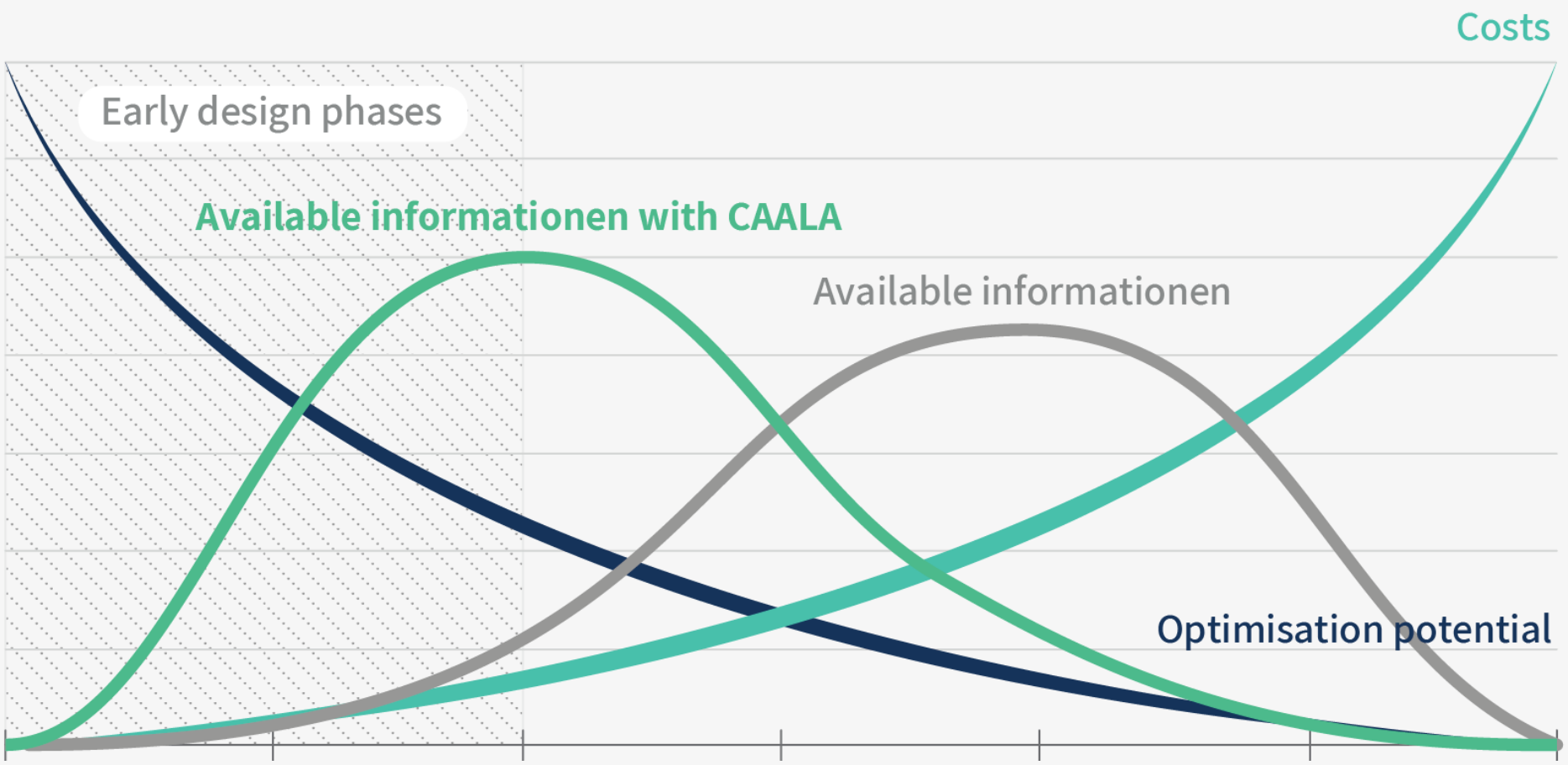
MOTIVATION



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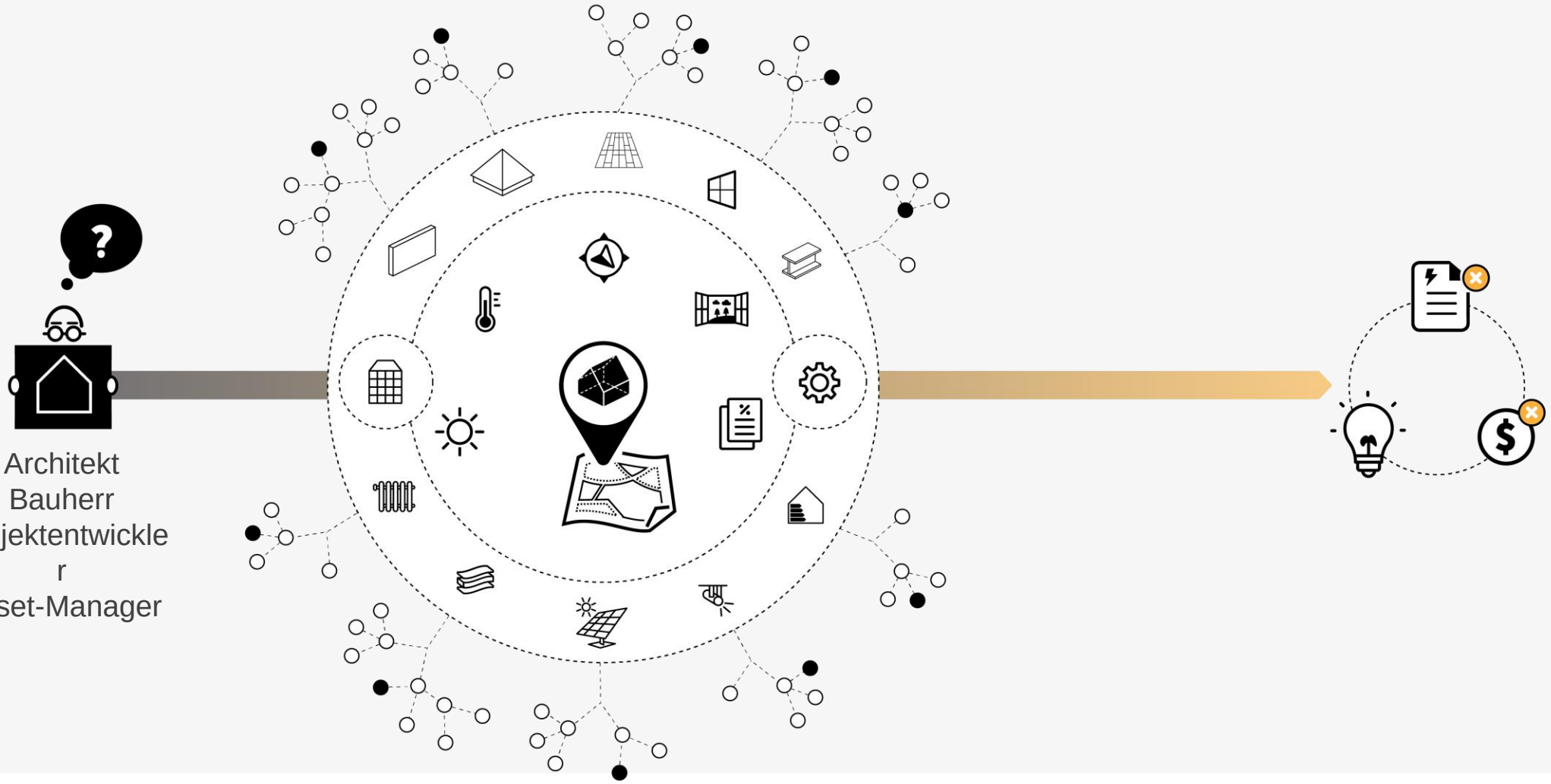
HERAUSFORDERUNG



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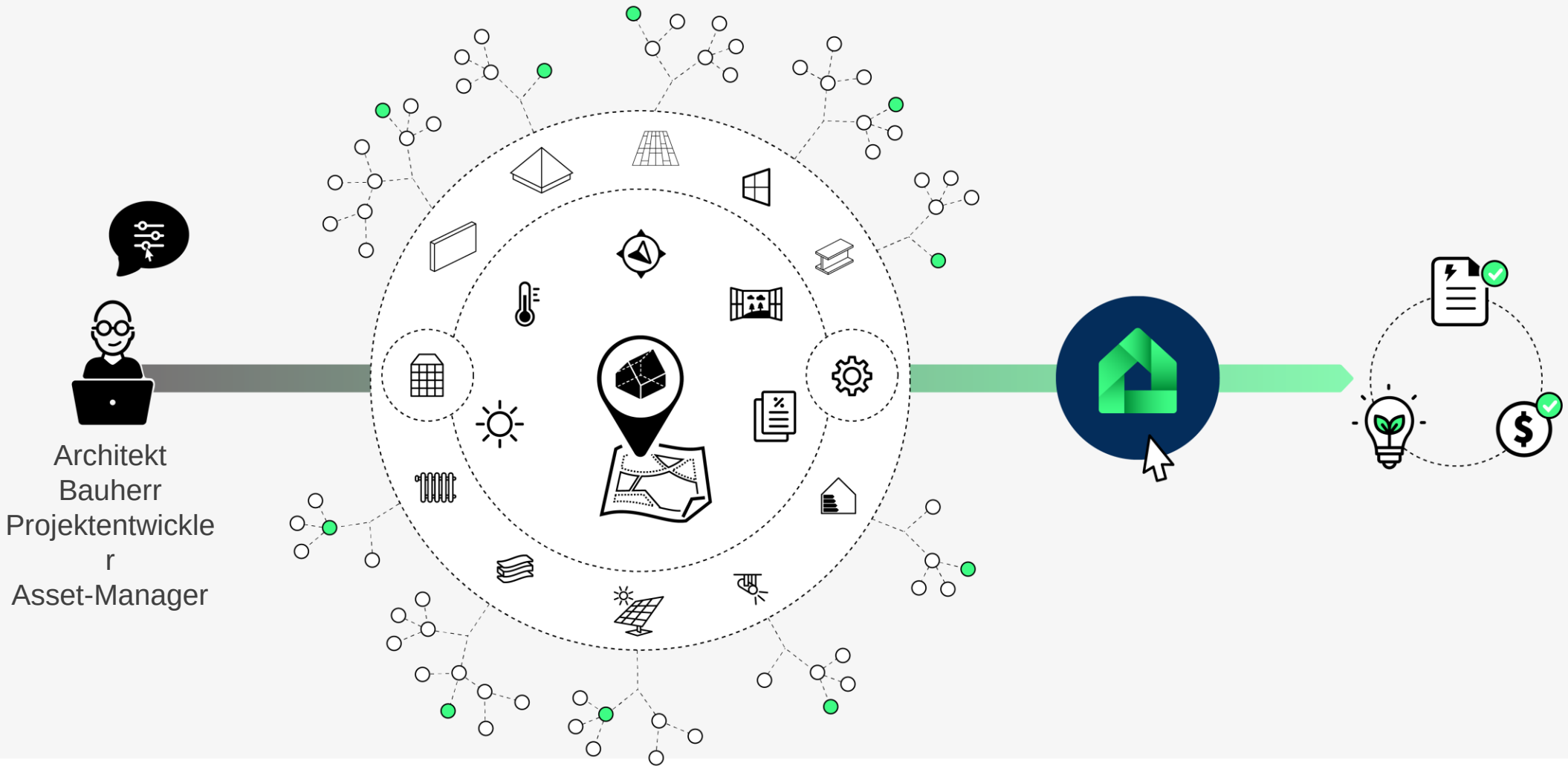
LÖSUNG



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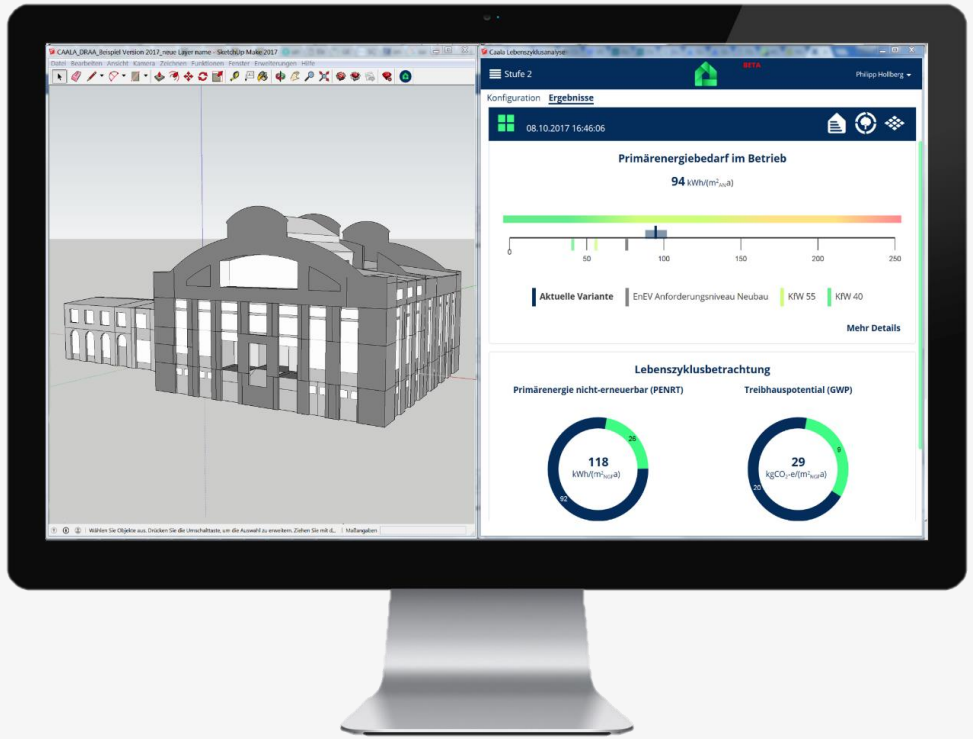
CAALA Software

start green AWARD

PROPTECH INNOVATION AWARD 2020

WSA WORLD SUMMIT AWARDS



BAUWENS

kadawittfeldarchitektur

CORESTATE Capital

BAUMANN CONSULTING

KlimaGut IMMOBILIEN AG

Landesbaudirektion Bayern

CAALA ANWENDUNGSFÄLLE

NEUBAU

Ganzheitliche Optimierung in frühen Entwurfsphasen

für Projektentwickler & Architekten

Detaillierte LCA & LCC Berechnung

für Nachhaltigkeitsberater & Auditoren

BESTAND

CO_2-Risikoanalyse

für Bestandshalter & Asset Manager

Sanierungspotential-analyse

für Bestandshalter & Asset Manager

CAALA
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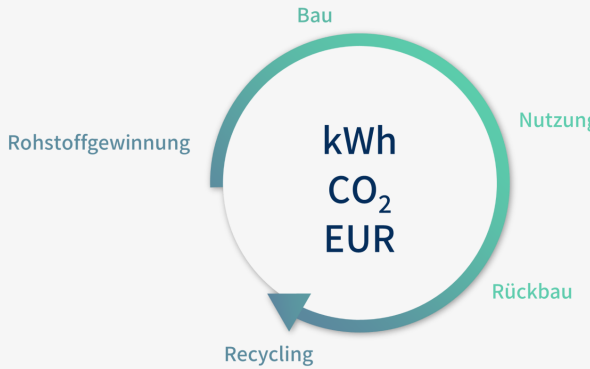
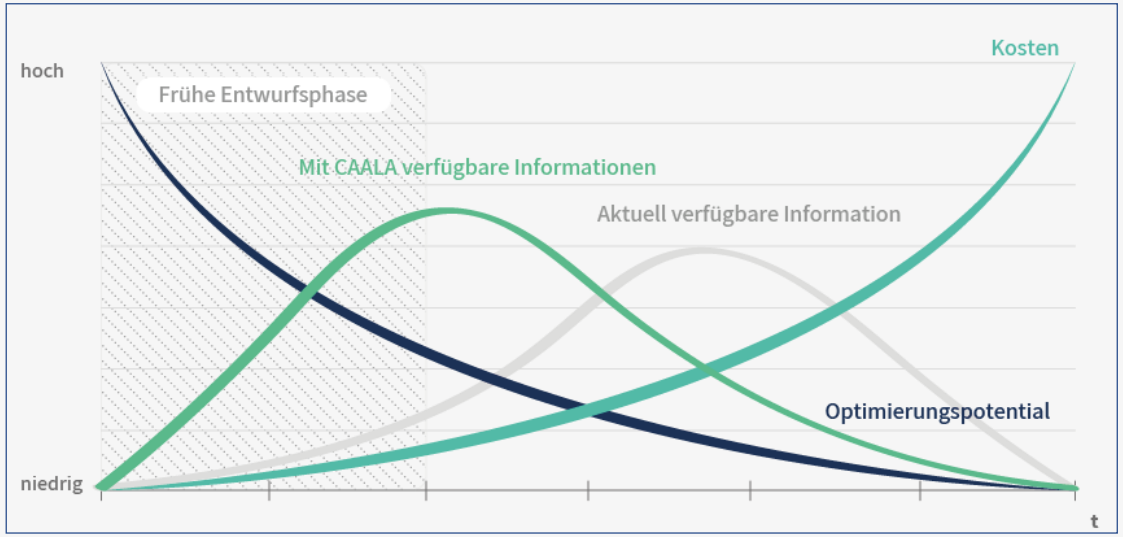
Optimierung von Neubauprojekten mit CAALA

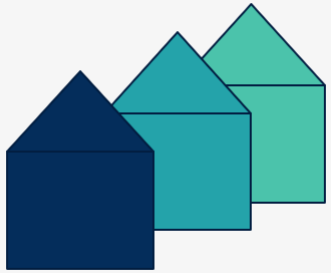
für Projektentwickler und Architekten

CAALA PHILOSOPHIE

LEBENSZYKLUSANALYSE + FRÜHE PLANUNGSPHASE + VARIANTENVERGLEICH







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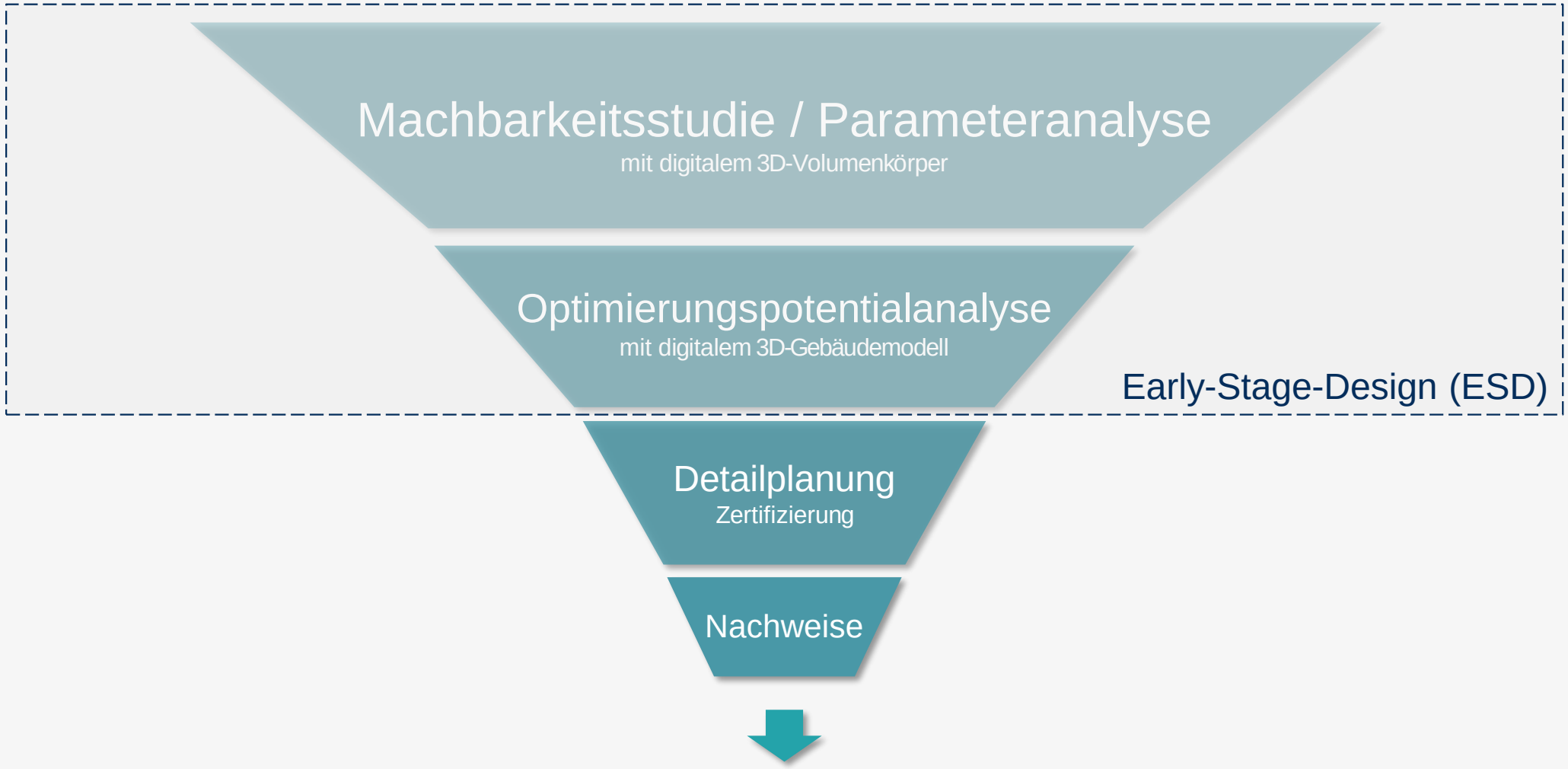
CAALA Prozess



ENERGIE- &
RESSOURCENEFFIZIENTE
GEBÄUDE

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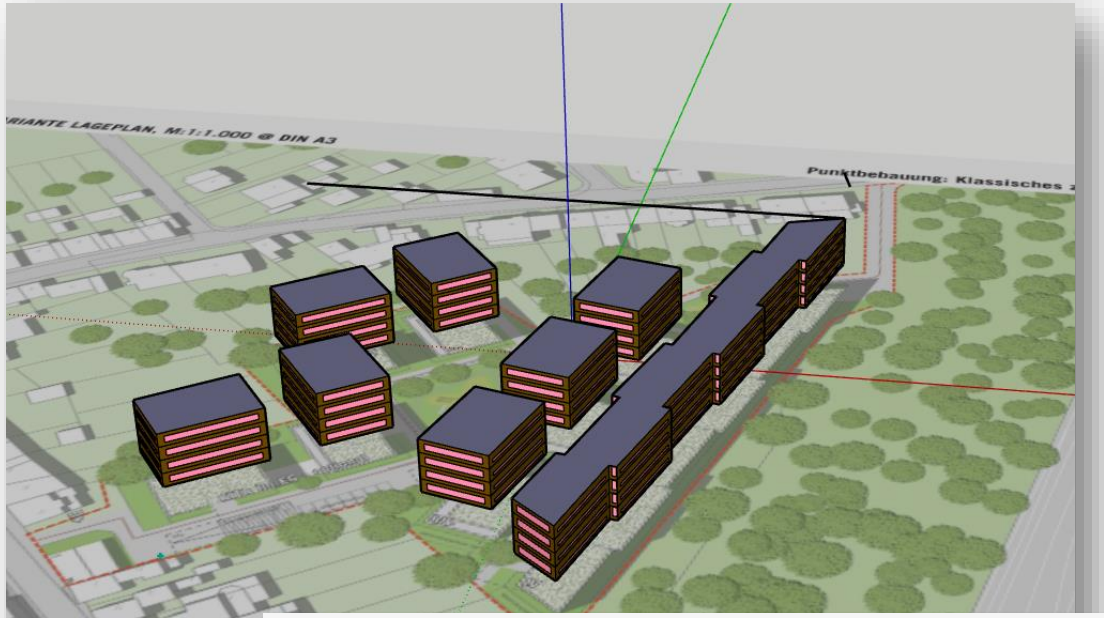
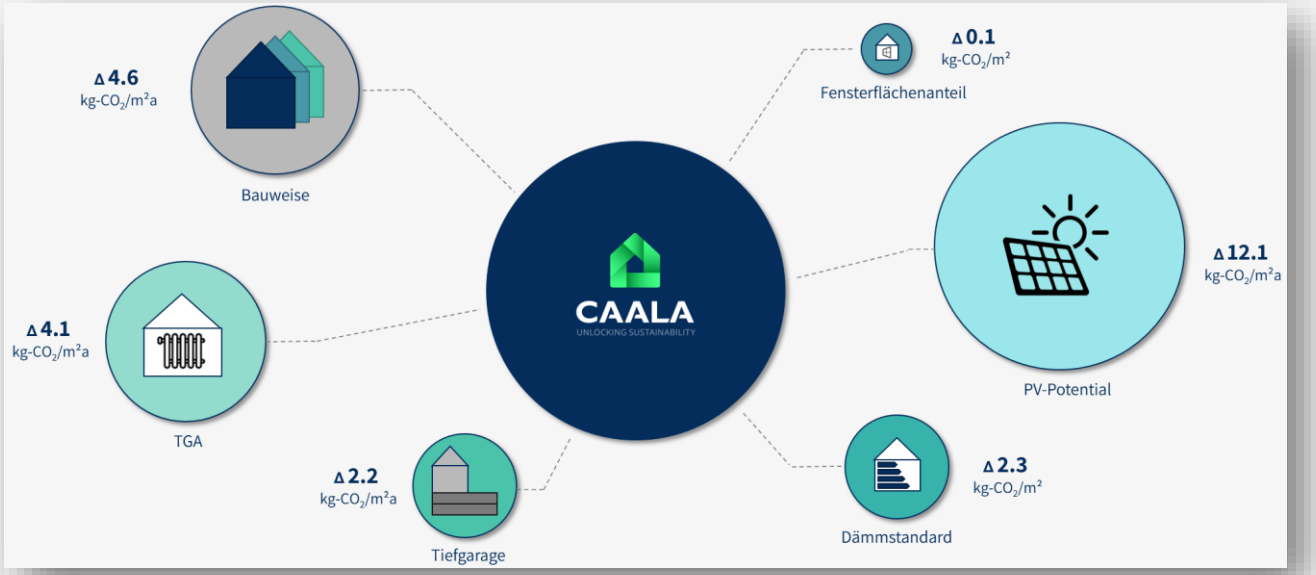
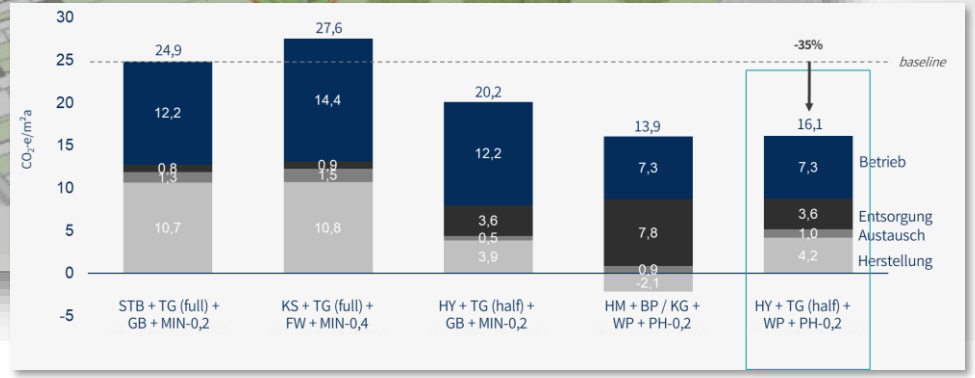
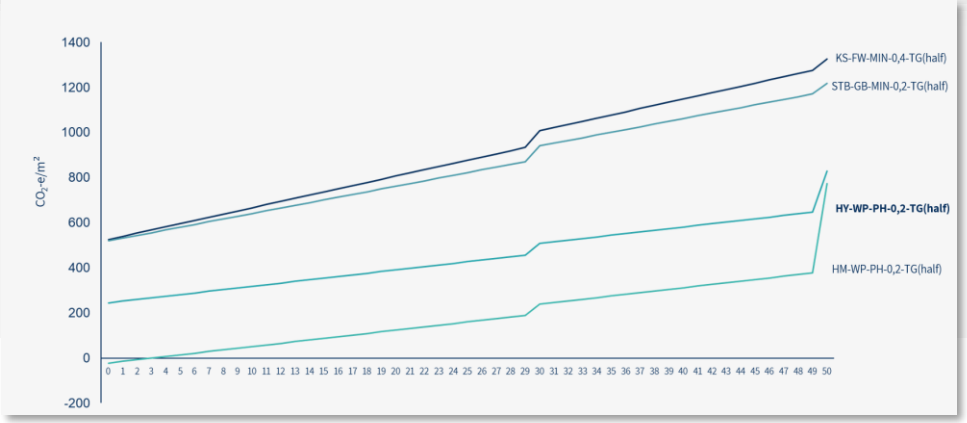
CAALA Services | Anwendungsfall NEUBAU

Machbarkeitsstudie (ESD)









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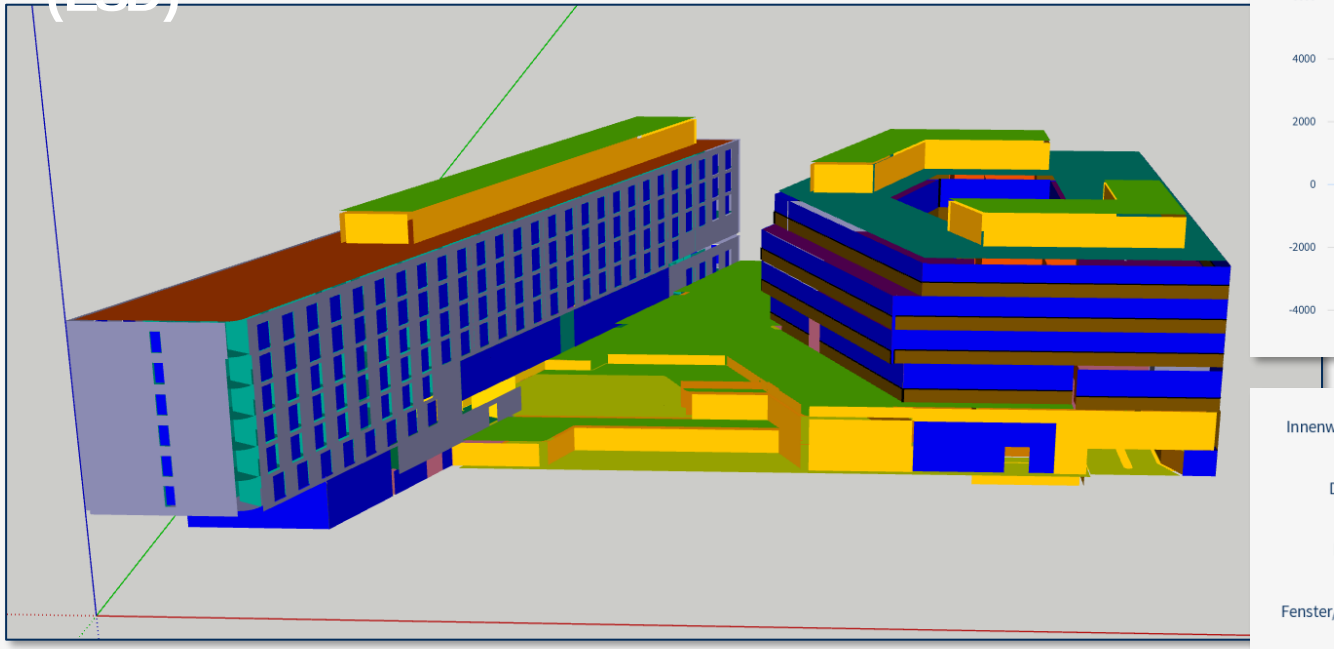
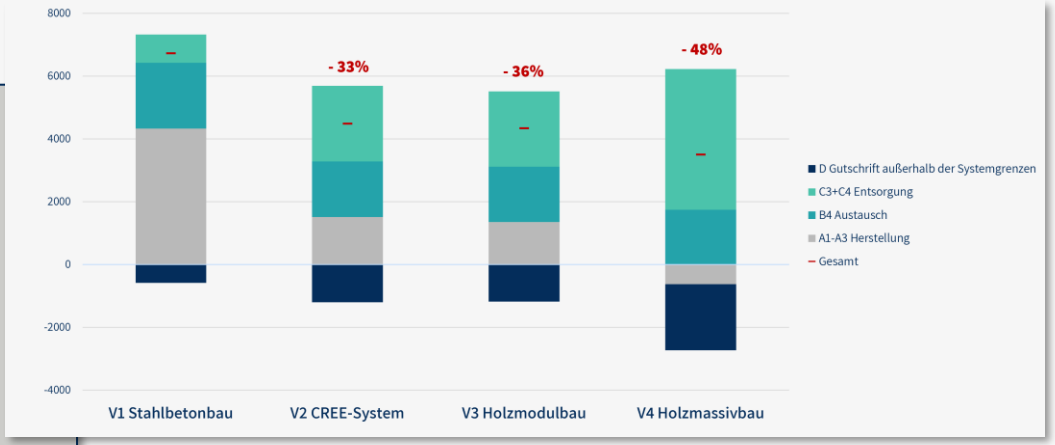
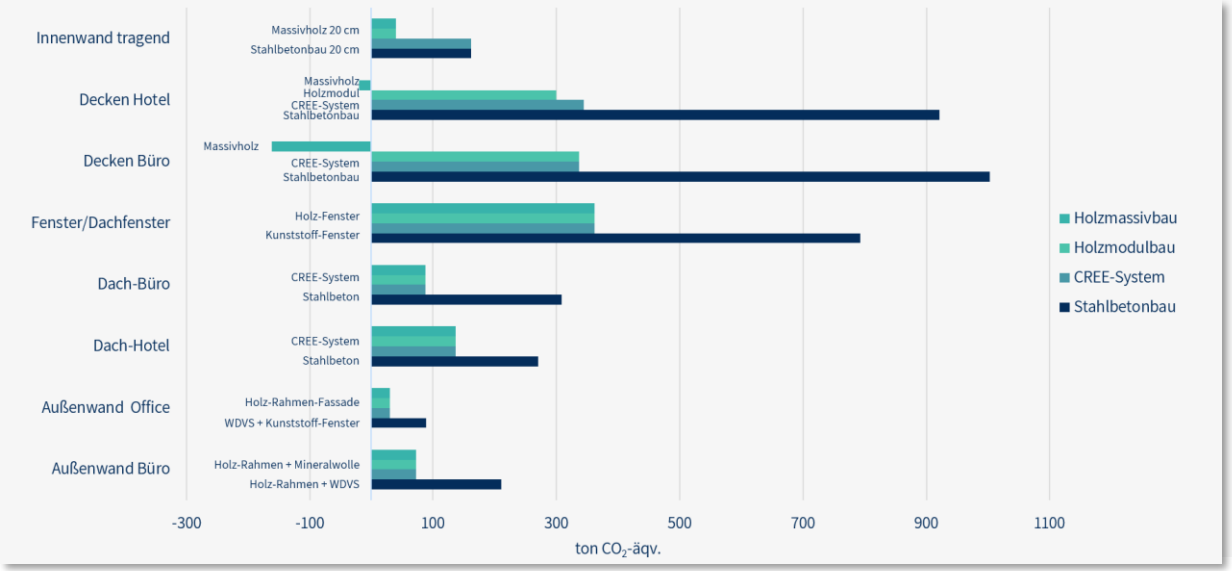
CAALA Services | Anwendungsfall NEUBAU

Optimierungspotentialanalyse (ESD)







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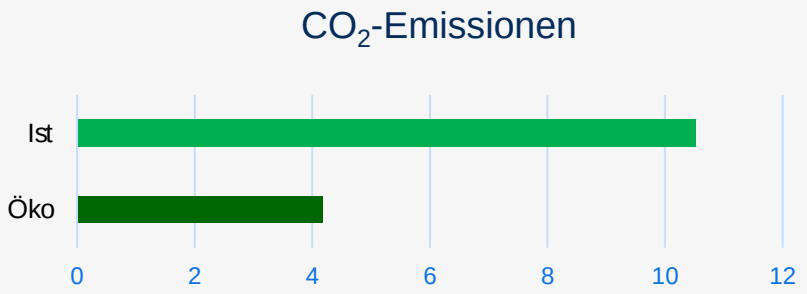
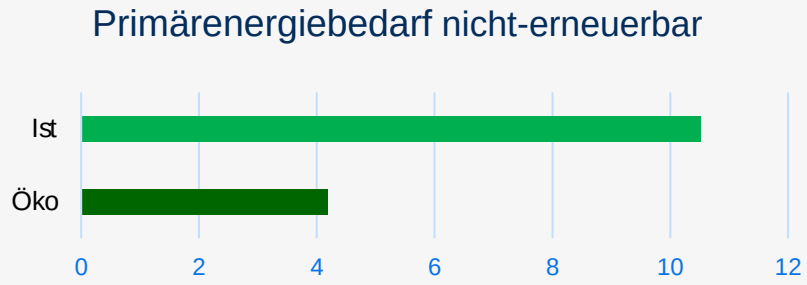
GEBÄUDEOPTIMIERUNG & BAUBEGLEITUNG - WOHNEN AN DER SCHLEIZER STRAßE





"Durch die Benutzerfreundlichkeit von CAALA haben wir die Möglichkeit schon während des initialen Entwurfsprozesses unsere Ideen gezielt aus energetischer Sicht zu überprüfen und effizient gemäß unserer Nachhaltigkeitskriterien weiterzuentwickeln.“

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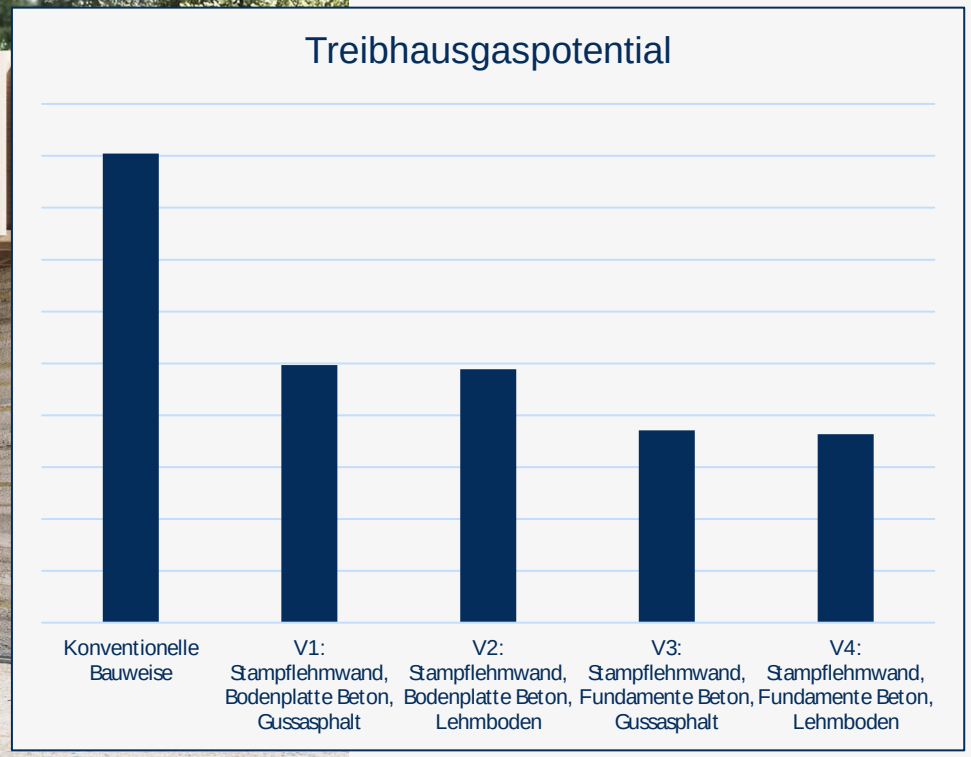
GANZHEITLICHE GEBÄUDEOPTIMIERUNG - UMWELTBILDUNGSZENTRUM AUGSBURG



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UNLOCKING SUSTAINABILITY

kadawittfeldarchitektur

Peter Ruge Architekten

BAUMANN CONSULTING

haas cook zemmrich STUDIO 2050

LANDMARKEN AG

BAUWENS

KlimaGut IMMOBILIEN AG

Landesbaudirektion Bayern

Bestandsoptimierung mit CAALA

für Asset-Manager und Bestandshalter

HERAUSFORDERUNG

CAALA
UNLOCKING SUSTAINABILITY

HERAUSFORDERUNG

CAALA
UNLOCKING SUSTAINABILITY

HERAUSFORDERUNG

CAALA
UNLOCKING SUSTAINABILITY

CO_2-RISIKOANALYSE

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UNLOCKING SUSTAINABILITY

PROZESS

CO_2-Risikoanalyse

CAALA
UNLOCKING SUSTAINABILITY

PROZESS

CO_2-Risikoanalyse

Sanierungspotentialanalyse
mit digitalem 3D-Gebäudemodell

CAALA
UNLOCKING SUSTAINABILITY

PROZESS

CO_2-Risikoanalyse

Sanierungspotentialanalyse
mit digitalem 3D-Gebäudemodell

Detailplanung
mit Begehung

CAALA
UNLOCKING SUSTAINABILITY

PROZESS

CO_2-Risikoanalyse

Sanierungspotentialanalyse
mit digitalem 3D-Gebäudemodell

Detailplanung
mit Begehung

Sanierung

KLIMANEUTRALES PORTFOLIO

CAALA
UNLOCKING SUSTAINABILITY

PROZESS

CO_2-Risikoanalyse

Sanierungspotentialanalyse
mit digitalem 3D-Gebäudemodell

Detailplanung
mit Begehung

Sanierung

KLIMANEUTRALES PORTFOLIO

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CO_2-RISIKOANALYSE

CAALA UNLOCKING SUSTAINABILITY

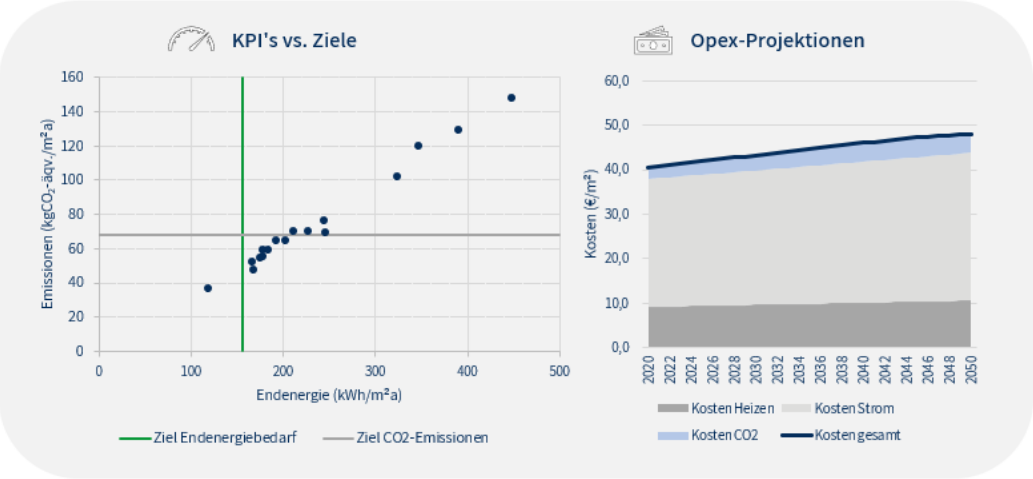
CO_2-Risikoanalyse Portfolio

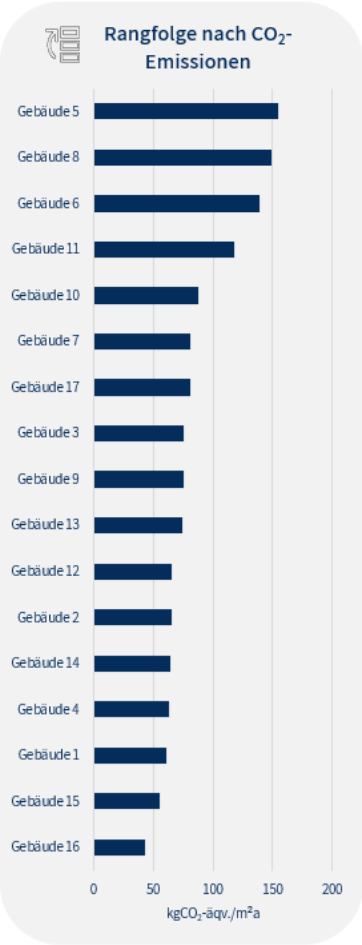
EINGABEN

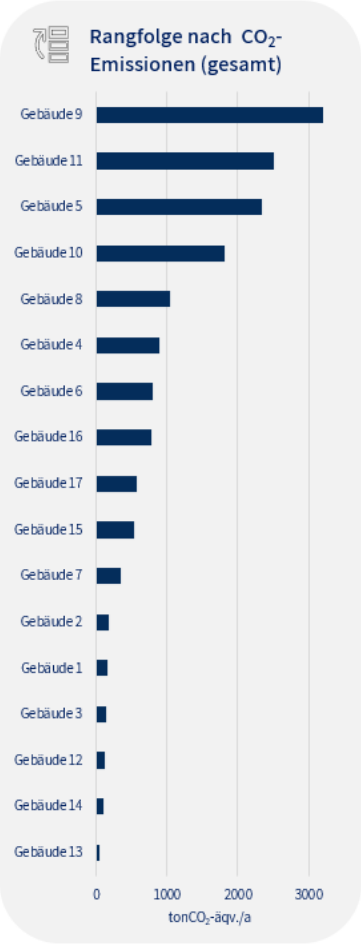
Berücksichtigung Nutzerstrombedarf (geschätzt):	Ja	
Ziel-Szenario:	1.5°C	
Preisentwicklungsszenario Strom:	Manuel jährliche Steigerungsrate	4,5 %
Preisentwicklungsszenario Energieträger Heizung:	Manuel jährliche Steigerungsrate	4,5 %
Szenario CO_2 Bepreisung:	Manuelle-Eingabe-Rate	10 %
CO_2 Startpreis pro Tonne:	30,00 €	
Dekarbonisierungszenario Strom:	KSZ-KS 80	
Diskontierungssatz:	4 %	

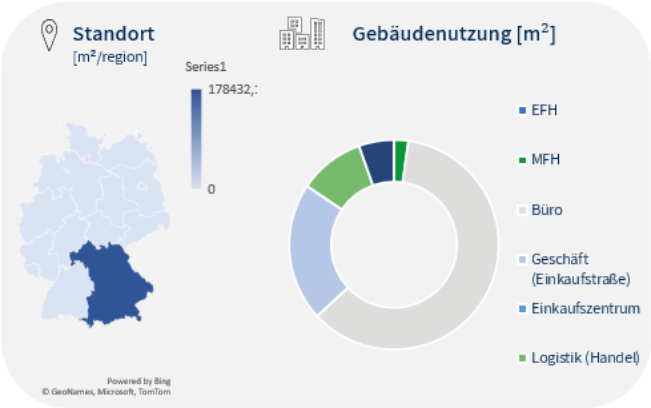
Filter:

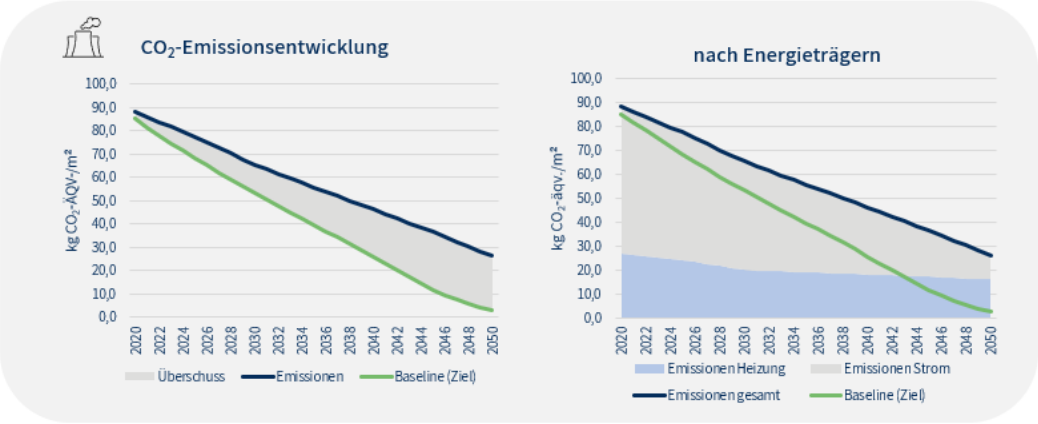
Gebäudetyp:	Alle anzeigen
Standort:	Alle anzeigen
Heizungsart:	Alle anzeigen
Jahr der Analyse:	2025











CAALA UNLOCKING SUSTAINABILITY

CO_2-RISIKOANALYSE

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UNLOCKING SUSTAINABILITY

SANIERUNGSPOTENTIALANALYSE

KLIMANEUTRALES PORTFOLIO

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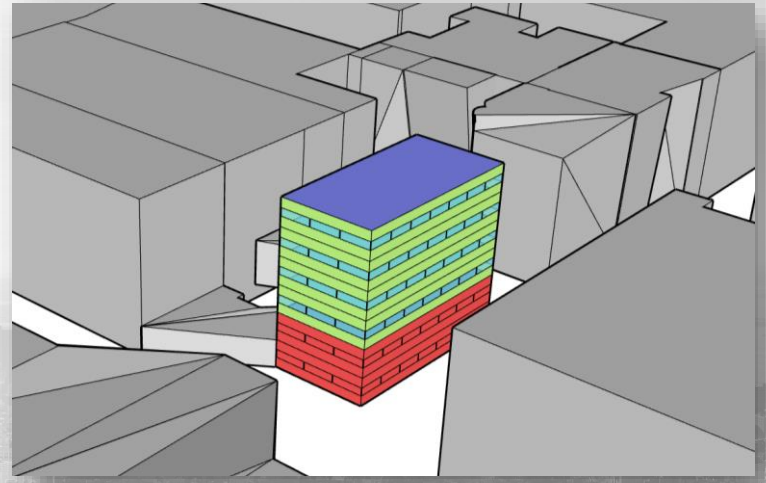
UNLOCKING SUSTAINABILITY

SANIERUNGSPOTENTIALANALYSE

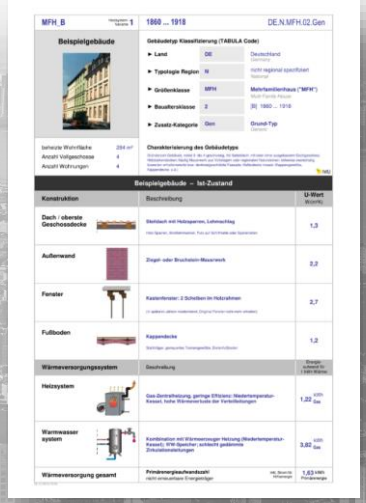
Google Maps

Open Street Map



Objekt

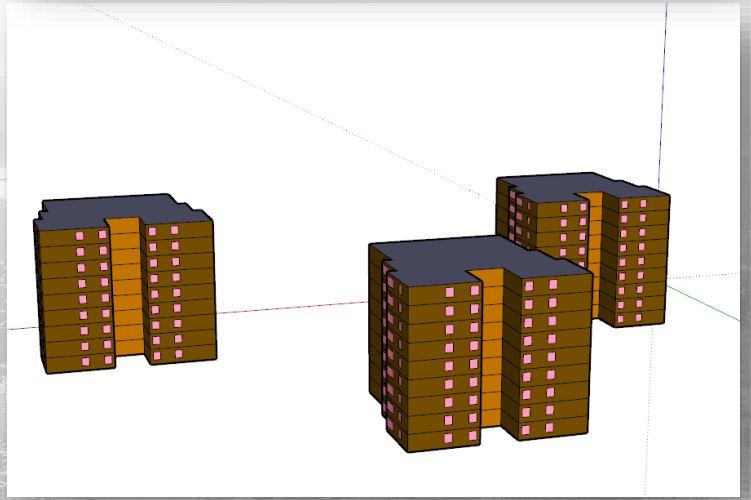
Energieausweis

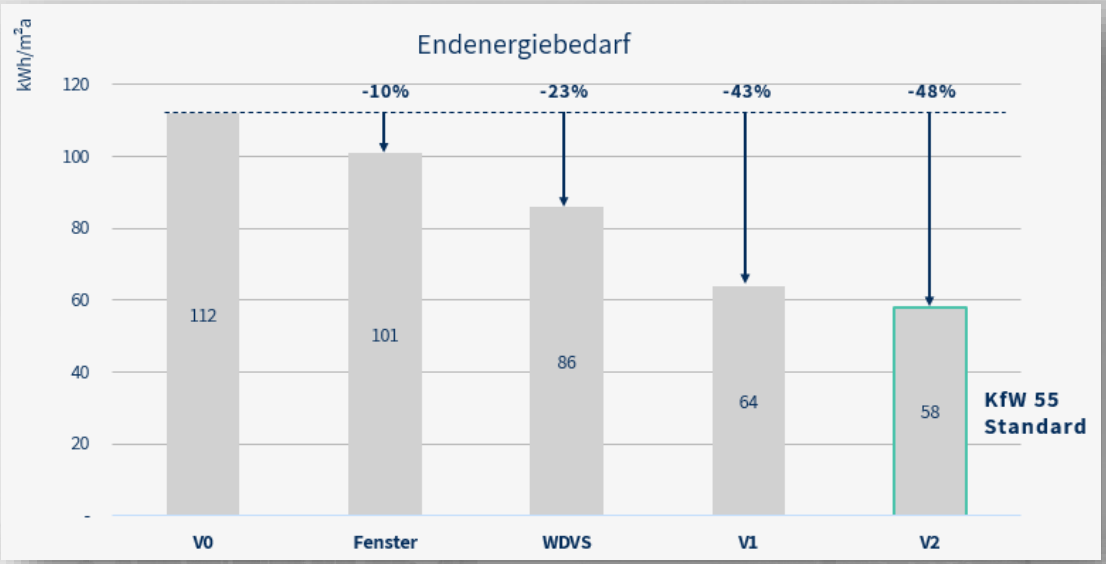


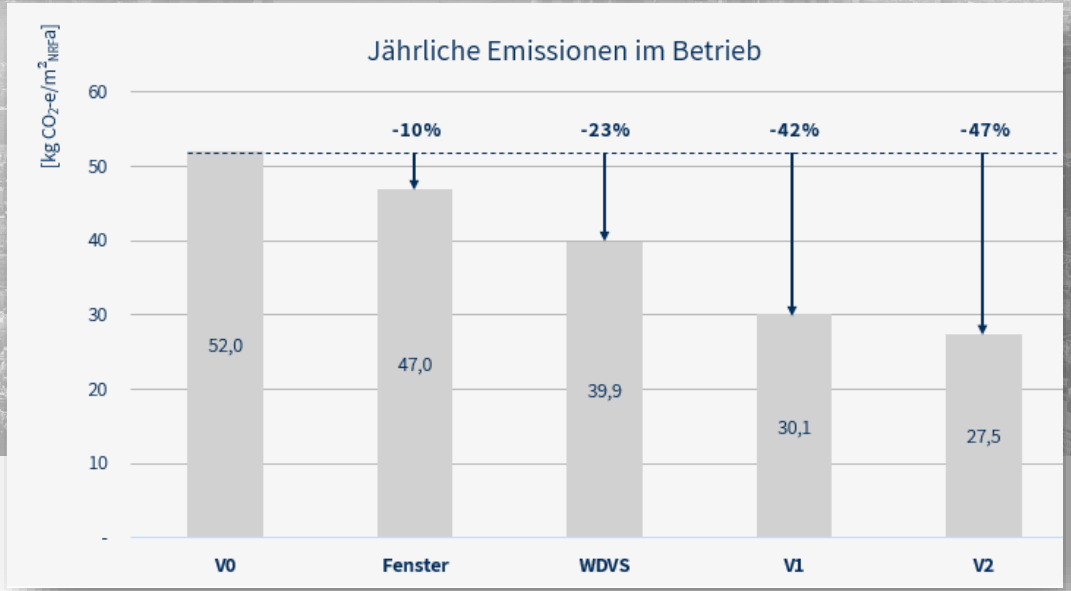
Tabula

CAALA
UNLOCKING SUSTAINABILITY

SANIERUNGSPOTENTIALANALYSE







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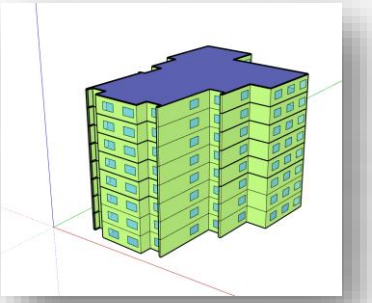
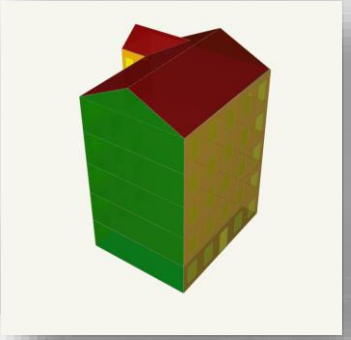
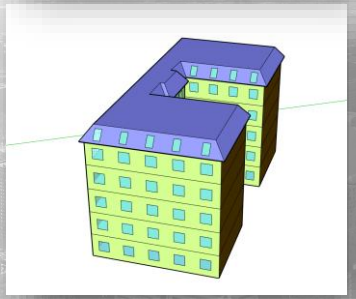
SANIERUNGSPOTENTIALANALYSE







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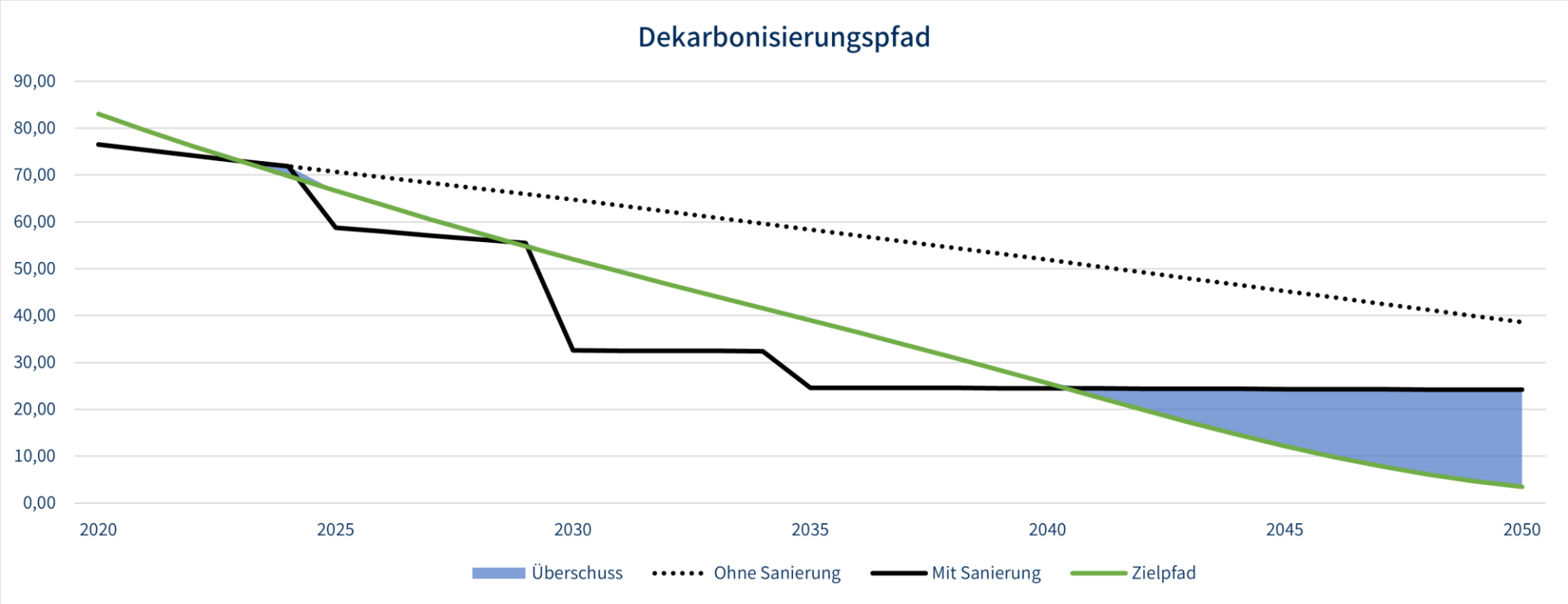
SANIERUNGSPOTENTIALANALYSE



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