

# SinaSave - Manual

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#### SinaSave Manual



- 1. The SinaSave Tool
- 2. Tool layout and structure
- 3. System comparison for pumps and fans
- 4. Motor Comparison
- 5. Projects / Saving / Loading
- 6. Sharing and exporting results



#### The SinaSave tool Overview



#### SinaSave

 outputs energy and cost saving potential - as well as amortization times - for energy-efficient pumps/fan IDS drive systems and energy-efficient motors under customer-specific application conditions

#### **Customer benefits**

• SinaSave provides **decision-making support** when it comes to investing in energy-efficient technologies



#### The SinaSave tool Overview

SinaSave supports...

• Languages

EN, DE, FR, IT, ES, PT, ZH, RU

• Currencies

EUR, GBP, CHF, USD, INR, CNY, ZAR, BRL, MXN

Supply systems

Low voltage

- 400 V / 500 V / 690 V (3 AC / 50 Hz)
- 480 V (3 AC / 60 Hz)

Medium voltage and high voltage

- 3.3 kV / 6 kV / 10 kV (3 AC / 50Hz)
- A comprehensive Siemens portfolio
  - SINAMICS, SIMOTICS and SIRIUS
  - IEC: 0.55 kW 5.5 MW
  - NEMA: 1 hp 400 hp



### The SinaSave tool Login function

Login in SinaSave is optional, however, will afford the following additional functionalities:

- Storage and loading of comparisons and projects
- Local storage
- Exporting and sharing of results
- Usage of individual profiles and personal presettings

Utilization of SinaSave is generally free of charge





#### SinaSave Manual



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- 2. Tool layout and structure
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#### Tool layout and structure Basic structure



Reference and alternative system



#### Tool layout and structure Basic structure – Technical view



#### Tool layout and structure Basic structure – Commercial view



#### SinaSave Manual



- 1. The SinaSave Tool
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### System comparison for pumps and fans "Technical view"

 The <u>load point</u> of the application is defined here via the pump speed and power. Furthermore, predefined <u>operation profiles</u> can be selected





#### System comparison for pumps and fans "Technical view"

- The **Extended mode** provides additional selection parameters. This permits a more detailed definition of the application and the components
- Entry of additional application data allows an automatic calculation of the <u>required shaft</u> <u>power</u>
- As an alternative to the predefined <u>operation</u> profiles, this may also be configured individually by entering ten individual values



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#### System comparison for pumps and fans "Technical view"

• Clicking on the switch symbols allows the <u>control mode</u> of the system...

 ...as well as the types of individual components (motor, converter, switchgear) to be selected

 Values of the components can then be adapted



#### System comparison for pumps and fans "Technical view"

- Following individual entry of the values, a graphic representation of the results is displayed on the right-hand side
- The numerical results of the power consumption are displayed together with <u>the energy and CO2</u> <u>emission savings</u> beneath the graphic

Technical view Commercial view			Savings Power losses	
Compare energy efficient drive systems			Energy savings Q 100%	<b>I</b>
Pump: Default			10.0	
Designation centrifugal pump         Pump head         Rated flow         Pump speed         Pump stage         Efficiency at rated load	Default ▼ H 10.0 m Q 230 m <sup>3</sup> /h n 1450 1/min 1 ▼ 87.0 %	Medium Density Static head Specific speed Required shaft power	8.0 8.0 4.0 4.0	
Operating hours / year	8 760 (24 h * 365 d) ▼ h/a	Allocation	2.0	
Operation-days / year Flowrate Operating hours	365           10%         20%         30%           0.0         0.0         1.0	Operation-hours / day           40%         50%         60%         70%         80           2.0         3.0         4.0         5.0         4.1	80 0.0 10 20 30 40 50 60 70 80 90 100 4.0 Flowrate [%]	
Reference system     Control Mode	<u>[7]</u>	Control Mode	Operation Profile #	
Controller	Throttle	Controller	Energy savings CO2 emission savings	24.4 MW 15.5 t/a
			Calculation         Expected energy demand         — Reference system         54.8         ••••• Alternative system         30.4	I?l MWh/a MWh/a
			Saving potentials         Energy savings       24.4         CO2 emission savings       15.5	WWh/a t/a

#### System comparison for pumps and fans "Commercial view"

- By changing to the commercial view, it is possible to display and process the economical data, such as prices and discounts
- A reconfiguration of the components or systems is not possible here



#### System comparison for pumps and fans "Commercial view"

Analogous to the technical view, the commercial results of both systems, e.g. energy costs savings and amortization time are displayed on the right-hand side



The displayed results are non-binding values. The actual results depend on the specific conditions of use and may vary considerably Siemens assumes no warranty or liability whatsoever for the correctness or feasibility of the displayed results.



11

#### SinaSave Manual



- 1. The SinaSave Tool
- 2. Tool layout and structure
- 3. System comparison for pumps and fans
- 4. Motor Comparison
- 5. Projects / Saving / Loading
- 6. Sharing and exporting results



Here you can adapt the <u>motor</u> and <u>operation profile</u>

Motor Profile				
Power	P <sub>N</sub> 18.5 ▼ kW	V Ignition protection class		without <b>T</b>
Pole number	4 ▼			
Line supply	3AC / 400 V / 50 Hz 🔹			
Operation Profile				
Operation Profile	Default 🔻 🗸	0		
Operation-days / year	365 d/a	a Motor load	2/	4 3/4 4/4
Operation-hours / day	24.0 h/	d Power output	9.2	13.88 18.50
Operation-hours / year	8760.0 h/s	a Operating hours	6.	0 6.0 12.0 H
Efficiency class	EFF2/IE1 V	Efficiency (IE-Class)	η 90.2	90.2 89.3 %
Casting		Efficiency (EFF-Class)	η 90.0	89.0 90.0 % ()
μ L				
••••• Alternative Motor 1: SIMOTICS	GP			[7]
Efficiency class	IE3 🔻	Efficiency	η 93.2	93.2 92.6 %
	Alexandre			

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By clicking on the motor symbol, you can choose between a Siemens motor and a third-party motor

 Up to three alternative motors can be added with the "New Motor" button, which will then be compared with the reference motor

Technical view Commercial view				
Compare energy efficient motors				
Motor Profile				[?]
Power	P <sub>N</sub> 18.5 <b>v</b> kW	Ignition protection class		without <b>T</b>
Pole number	4 ▼			
Line supply	3AC / 400 V / 50 Hz 🔻			
Operation Profile				[?]
Operation Profile	Default 🔻 🖉			
Operation-days / year	365 d/a	Motor load	21	4 3/4 4/4
Operation-hours / day	24.0 h/d	Power output	9.2	5 13.88 18.50 kW
Operation-bours (voar	8760.0 h/a	Operating hours	6.0	) 6.0 12.0 h/d
				<b>!</b>
Existing Motor	1 🔻	Efficiency (IE-Class)	η <mark>90</mark> .	2 90.2 89.3 %
×		Efficiency (EFF-Class)	η 90.	0 89.0 90.0 % 🌖
•••••• Alternative Motor 1: SIMOTICS GP	)			[?]
Efficiency class	IE3 T	Efficiency	η <mark>93</mark> .	2 93.2 92.6 %
y				Get technical data
+ New Motor				

- In this example, a third-party motor has been added as a second alternative motor
- By clicking on the header, an entry field appears in which the **default name** of the third-party motors can be **changed**



- Once the <u>reference motors and alternative</u> <u>motors</u> have been defined, the **graphic representation** is displayed on the righthand side
- The **calculated values** are displayed beneath the graphs
- Activation (or deactivation) of the checkboxes allows the selected motors to be shown (or hidden) in the graph



#### Motor comparison "Commercial view"

• **Commercial data** can be displayed and processed here using the "Commercial view" tab

• Once **prices** and **discounts** have been entered for the individual motors, these will then be taken into account for the evaluations

Motor Profile			[7]
Power	P <sub>N</sub> 18.5 kW	Ignition protection class	without
Pole number	4		
Line supply	3AC / 400 V / 50 Hz		
Operation Profile			الأل
Operation Profile	Default		
Operation-days / year	365 d/a	Motor load	2/4 3/4 4/4
Operation-hours / day	24.0 h/d	Power output	9.25 13.88 18.50 kW
Operation-hours / year	8 760.0 h/a	Operating hours	6.0 6.0 12.0 h/d
- Reference Motor: Default			[7]
Reference Motor: Default			
Efficiency along	FFF2 ()F4	Drive	
Efficiency class Casting	EFF2 / IE1	Price	
Efficiency class Casting Efficiency class	EFF2 / IE1	Price	4 580 €
Efficiency class Casting Efficiency class Casting Casting	EFF2 / IE1 IE3 Aluminum	Price List price Discount	4 580 € 0.0 %
Efficiency class Casting Efficiency class Casting Casting	EFF2 / IE1 IE3 Aluminum	Price List price Discount Customer Price	4 580 € 0.0 % 4 580 €
Efficiency class Casting Efficiency class Casting Casting	EFF2 / IE1 IE3 Aluminum	Price List price Discount Customer Price	4 580 € 0.0 % 4 580 € Get technical data
Efficiency class Casting Efficiency class Casting Casting Casting	EFF2 / IE1 IE3 Aluminum	Price List price Discount Customer Price	4 580 € 0.0 % 4 580 € Get technical data
Efficiency class Casting Efficiency class Casting Cast	EFF2 / IE1 IE3 Aluminum DTICS GP IE4	Price List price Discount Customer Price List price List price	4 580 € % 4 580 € Get technical data 5 540 €
Efficiency class Casting  Efficiency class Casting  Alternative Motor 2: SIMO Efficiency class Casting  Efficiency class Casting	EFF2 / IE1 IE3 Aluminum DTICS GP IE4 Aluminum	Price List price Discount Customer Price List price Discount	4 580 € 0.0 % 4 580 € Get technical data [7] 5 540 € 0.0 %

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#### Motor comparison "Commercial view"

- The graphic as well as the numerical results appear analogously on the righthand side, relative to the selected alternative motor(s)
- Switching between the commercial and technical view in full screen mode facilitates a much clearer comparison and presentation of the results



#### SinaSave Manual



- 1. The SinaSave Tool
- 2. Tool layout and structure
- 3. System comparison for pumps and fans
- 4. Motor Comparison
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• Login is necessary to access the following SinaSave functions. A login function is provided in the upper, right-hand section of the screen

 Login can be performed at any time (even after a comparison has been entered), without the risk of losing any information.





- To create or to save a project, the "Save As" call is provided under "Project " in the menu bar
- Every comparison is associated with a project, and each project can contain multiple comparisons
- To save, names must be **assigned to the project and the comparison itself**. This automatically creates a new project
- If projects are already available, the comparison can alternatively also be added to one of these existing projects



- The **navigation bar** (Navbar) is displayed after the project was saved with the new comparison
- It shows the name of the currently opened project and comparison
- A click on the project name takes you back to the "Project view"

SinaSave Home 🕨 Language 🕨 Project				► IEC
SinaSave Home > Project: SinaSave_Manual	Comparison: Motor für SinaSave Manu			
Technical view Commercial view				
Compare energy efficient motors				
Motor Profile				<u>ای</u>
Power	P <sub>N</sub> 18.5 <b>v</b> kW	Ignition protection class		without <b>T</b>
Pole number	4 ▼			
Line supply	3AC / 400 V / 50 Hz 🔻			
Operation Profile				[7]
Operation Profile	Default 🔻 🖉			
Operation-days / year	365 d/a	Motor load	2/4	3/4 4/4
Operation-hours / day	0.0 h/d	Power output	9.25	13.88 18.50 kW
Operation-hours / year	0.0 h/a	Operating hours	6.0	6.0 12.0 h/d
- Reference Motor: Default				[7]
Efficiency class	EFF2 / IE1	Efficiency (IE-Class)	η 90.2	90.2 89.3 %
Casting		Efficiency (EFF-Class)	η 90.0	89.0 90.0 %
••••• Alternative Motor 1: SIMOT	CS GP			[?]
Efficiency class	IE3 🔻	Efficiency	η 93.2	93.2 92.6 %
Casting	Aluminum			
2			G	et technical data
+ New Motor				

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- The project view is subdivided into several areas
- The area highlighted here allows the possibility of editing the **project header data**
- This information is subsequently provided on the cover sheet of the export file (.pdf or .docx)

avenome / Lan	iguage i inoject				FIEC
ave Home > Proj	ect aSave_Manual*				
Project view	parisons to one project				
	comparisons to one project				
Project	comparisons to one project				
Project					
Customer	SinaSave User		Project name	SinaSave_Manual	
Company	Siemens AG		Facility		
Department	DI MC LVM PPM TS&AR		Date	October 23-2019	
Phone					
Phone					
Phone Email					
Phone Email Comment					
Phone Email Comment					
Phone Email Comment rency	My Default: Euro	•	CO <sub>2</sub> factor	Ð 632	g/kWh
Phone Email Comment rency	My Default: Euro	۲	CO <sub>2</sub> factor	ච <mark>632</mark>	g/kWh
Phone Email Comment rency gle comparisons	My Default: Euro	, , ,	CO <sub>2</sub> factor	€ 632 ◆ Create new comparison	g/kWh
Phone Email Comment rency gle comparisons Active C	My Default: Euro omparison/Selection	۲ Qty.	CO <sub>2</sub> factor Results	€ 632 + Create new comparison	g/kWh ⊈ Copy existing comparison Actions 『
Phone Email Comment rency gle comparisons Active CC	My Default: Euro Comparison/Selection Pumpe für SinaSave_Manual	Qty.	CO <sub>2</sub> factor Results Energy savings	€ 632 + Create new comparison	g/kWh Copy existing comparison Actions 24.4 MWh/a
Phone Email Comment rency gle comparisons Active C	My Default: Euro  iomparison/Selection  Pumpe für SinaSave_Manual  Alternativsystem	Qty.	CO <sub>2</sub> factor Results Energy savings Investment costs	<ul> <li>         • 632         <ul> <li></li></ul></li></ul>	g/kWh Copy existing comparison Actions 24.4 MWh/a 4 352 €
Phone Email Comment rency gle comparisons Active C	My Default: Euro	v 1	CO <sub>2</sub> factor Results Energy savings Investment costs Amortization time	<ul> <li>         •         632         <ul> <li></li></ul></li></ul>	g/kWh ⊈ Copy existing comparison Actions ¶ 24.4 MWh/a 4 352 € 6.5 mo. Ľ 1 1
Phone Email Comment rency gle comparisons Active Comparisons	My Default: Euro	Qty. 1	CO2 factor  Results  Energy savings Investment costs Amortization time Energy savings	€ 632 ◆ Create new comparison	g/kWh Copy existing comparison Actions ¶ 24.4 MWh/a 4 352 € 6.5 mo. Comparison Com
Phone Email Comment rency [ Igle comparisons Active C Igle comparisons	My Default: Euro	V Qty. V 1	CO2 factor  Results  Energy savings Investment costs Amortization time Energy savings Investment costs	<ul> <li>         • 632         <ul> <li></li></ul></li></ul>	g/kWh Copy existing comparison Actions ¶ 24.4 MWh/a 4 352 € 6.5 mo. C 1 1 5.0 MWh/a 4 580 €

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 For example, the currency and the energy price have been adapted here using the " 
 button.

SIEME	NS 1 for life		2	SinaSave Energy Saving an	e nd Amortization		Esra Kocak → Logout
SinaSave Home	Language      Project  Project: SinaSave Manual*			► IEC			> Help
Project view	7						
Combine several	comparisons to one project			Total costs of Ownersh	ip (TCO) Amortiza	ion	
Project			_			X	<b>a</b> 7
Customer	SinaSave User	Due in stand stations				Lon	
Company	Siemens AG	Project settings					
Department	DI MC LVM PPM TS&AR			1	-		
Phone		Basic standard		IEC	-		
Eman		Currencu		Mu Default: Euro			
Comment		Currency		My Default: Euro	<u> </u>		
Project settings				The calculation factor for the currency was			
Basic standard	IEC	*		upuated at. Oct 25, 2019 0.00.12 MM			97 10
Currency	My Default: Euro	Energy price	•	0.1200	€/kWh	32.0 40.0 48.0 n Time [months]	TCO [%]
			~				
		CO <sub>2</sub> factor	•)	632	g/kWh		
				Save	Close		



- The **list of comparisons** is provided beneath the project view
- This list allows an overview of the comparisons associated with the project. **Key information** (e.g. name, type, etc.) and the **most important results** are represented within the comparisons
- A "quantity" can be stored here if a comparison is featured more than once in a system or plant, e.g. several identical pumps with the same <u>operation</u> <u>profile</u>
- The "Actions" area allows an individual comparison to be **opened**, **shared** (email), **exported** or **deleted**

SinaSave Home 🕨 La	anguage 🕨 Project				► IEC	
SinaSave Home > Pro	oject: SinaSave_Manual*					
Project view						
Combine several cor	nparisons to one project					
Project						[?]
Customer	SinaSave User		Project name	SinaSave_Manual		
Company	Siemens AG		Facility			
Department	DI MC LVM PPM TS&AR		Date	October 23-2019		
Phone						
Email						
Comment						
Project settings						[?]
Basic standard	IEC	•	Energy price	€ 0.1200	E	/kWh
Currency	My Default: Euro	•	CO <sub>2</sub> factor	€ 632	9	/kWh
2 single comparison	S			+ Create new comparison	🗹 Copy existing com	parison
Nr. Active	Comparison/Selection Q		Results	~	Actio	ons 🯹
01	Pumpe für SinaSave_Manual		Energy savings		24.4 MWh/a	5 <
02 V	lotor für SinaSave Manual	1	Energy savings		5.0 MWh/a	1 <
	Iternative motor - IE3 1		Investment costs		4 580 €	-
			Amortization time		7.6 a 🏻 🖾	T
20	Alternative motor - IE3		Amortization time		4580 € 7.6 a [ſ	e 🖬

- Within the project view, a <u>system or motor</u>
   <u>comparison</u> can be **selected** and **created**
- Upon selection of a system or motor, the user is returned to the standard "Technical view"

t: SinaSave_Manual* arisons to one project naSave User emens AG I MC LVM PPM TS&AR			Project name Facility Date	SinaSave_Manua October 23-201	al 9		
arisons to one project naSave User emens AG I MC LVM PPM TS&AR			Project name Facility Date	SinaSave_Manua October 23-201	al 9		
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emens AG I MC LVM PPM TS&AR			Facility Date	October 23-201	9		
I MC LVM PPM TS&AR			Date	October 23-201	9		
							_
							[7]
C		•	Energy price	<ul> <li>● 0.1200</li> </ul>			€/kWh
ly Default: Euro		•	CO <sub>2</sub> factor				g/kWh
				+ Create new co	mparison	🕑 Copy existing	comparison
				+ Create n	ew comparison	🖆 Сору ех	kisting compar
omparison/Selection	Q	ty.	Results		29		Actions
Pumpe für SinaSave_Manual			Energy savings		-ga	Pump	la 🗅
Alternativsystem	<b>T</b>	1	Amortization time	e			1 1 1
ternative motor - IE3	۳ 1		Investment costs Amortization time		2	Fan	ൾ 🛍
					6	Motor	
I) P A	/ Default: Euro / Default: Euro / mparison/Selection umpe für SinaSave_Manual //ternativsystem //ternative motor - IE3	r Default: Euro pmparison/Selection Q umpe für SinaSave_Manual Uternativsystem ▼ ernative motor - IE3 ▼ 1	r Default: Euro ▼ pmparison/Selection Qty. umpe für SinaSave_Manual <pre> uternativesystem ▼ 1 ernative motor - IE3 ▼ 1 </pre>	Introduction       Introduction         Interview       Introduction         Introduction       Introduction         Introduction       Introduction         Introduction       Introduction         Introduction       Introduction         Introduction       Introduction	CO2 factor     C	CO2 factor     C	

- Once the comparison has been edited (refer to chapters "Motor comparison", "System comparison for pumps and fans"), it can be saved via the quick menu
- The project name has already been selected
- The name proposed for the created comparison can be accepted with "Save" or may be renamed manually



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 You can now find the motor comparison just created in the comparison list of the project view

SinaSave Home > Pro	ject: SinaSave_Manual				
Project view					
Combine several con	nparisons to one project				
Project				[?]	
Customer	SinaSave User	Project name	SinaSave_Manual		
Company	Siemens AG	Facility			
Department	DI MC LVM PPM TS&AR	Date	October 23-2019		
Phone					
Email					
Comment					
Project settings				<u>ای</u>	
Basic standard	IEC	<ul> <li>Energy price</li> </ul>	• 0.1200	€/kWh	
Currency	My Default: Euro	▼ CO <sub>2</sub> factor	<b>1</b> 632	g/kWh	
2 single compari <del>sons</del>			Create new comparison	If Conversition comparison	
Nr. Active	. Active Comparison/Selection	Qty.	Results		Actions [?]
01 🖉 🔐 01	Pumpe für SinaSave_Manu	al	Energy savings	24.4 MW	h/a 🗅 <
	Alternativsystem	• 1	Amortization time	4 352 € 6.5 mo.	L² T
02	Motor für SinaSave Manual		Energy savings	5.0 MW	/h/a 🗅 🤞
02 🗹	Alternative motor - IE3	<b>v</b> 1	Investment costs	4 580 €	
			Amortization time	7.6 a	

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 The results of each active comparison are taken into account in the project results

 The "Lifetime costs" and "Amortization" as well as the "Project results" topic do <u>not</u> reflect the result of a single comparison, but that of the complete project

				Total costs of	Ownership
			[7]	Total Cost of	D Total cost
Project name	SinaSave Manual			925.4	Total Cos
Facility				793.2	925.4
Date	October 23-2019				793.2
				₩ 00 528.8	661.0
				st so 396.6	000 528.8
				264.4	396.6
			[7]	132.2	264.4
Energy price	0.1200		€/kWh	0.0 🎺	132.2
CO <sub>2</sub> factor	• <b>0</b> _632		g/kWh	0.0	0.0
	+ Create new comparison	🖆 Copy existing c	omparison	то	D
Results		A	Actions 🧖	Project result	s 📕
Energy savings		5.0 MWh/a		Expected	e Project re
Investment costs Amortization time		4580 € 7.6 a	ഥ് മ	Alt	e Expec
Enorgy savings		E O MWb/s		Saving po	ti
Investment costs		4 580 €		CO	2 Savin
Amortization time		7.6 a	LC 🖬	En	21



#### SinaSave Manual



- 1. The SinaSave Tool
- 2. Tool layout and structure
- 3. System comparison for pumps and fans
- 4. Motor Comparison
- 5. Projects / Saving / Loading
- 6. Sharing and exporting results



#### Sharing (email) and exporting (.pdf/.docx) results

- Login is necessary to access the following SinaSave functions. A login function is provided in the upper, right-hand section of the screen
- Initial situation: A project has been created and should now be saved locally for subsequent processing (.ssx), then exported (.pdf / .docx), and forwarded to colleagues (email)



#### Sharing (email) and exporting (.pdf/.docx) results Saving / loading results locally

- The **project view** is opened by clicking on the project name (here: SinaSave\_Manual) in the **navigation bar**
- Via the "Project" menu item, the results can be saved locally, in other words on the respective computer being used ("Save as local file"), from where it may be subsequently loaded again ("Load local file")
- .ssx is a unique data format used by SinaSave

SIEME Ingenuity	NS 1 for life					P		
SinaSave Home	▶ Language ▶ Proj SinaSave Home ▶	ect Language v Project				→ IEC	▶ IEC	_
Technical view Compare energy	SinaSave Home > P	roject: Sinas Open Save						
Motor Profile	Combine several co	Save As mparisons Delete						
Power	Project	Save as local file (.s	ssx)					[7]
Pole number	Customer	SinaSave Load local file (.ssx			Project name	SinaSave_Manual		
Line supply	Company	Siemens Export results			Facility			
Operation Profile	Department	DI MC LVM PPM TS&AR			Date	October 23-2019		
Operation Profile	Phone							
Operation-days / v	Email							
Operation-hours /	Comment							
Operation-hours /	Project settings							[?]
<b>— —</b> F	Basic standard	IEC		Ŧ	Energy price	<ul><li>● 0.1200</li></ul>		€/kWh
	Currency	My Default: Euro		•	CO <sub>2</sub> factor	€ 632		g/kWh
	2 single comparisor	15				+ Create new comparison	🗹 Copy existing c	omparison
	Nr. Active	Comparison/Selection		Qty.	Results		Α	ctions 🛛
/	01 🗹 💦	Pumpe für SinaSave_Manual			Energy savings		24.4 MWh/a	
-		Alternativsystem		▼ 1	Amortization time		6.5 mo.	ഥ് മ
	02 🕑 🏹	Motor für SinaSave Manual			Energy savings		5.0 MWh/a	□ <
+ New Motor		Alternative motor - IE3		▼ 1	Amortization time		7.6 a	ഥ് മ

### Sharing (email) and exporting (.pdf/.docx) results Exporting results

- Results can be exported via the quick menu. Clicking on the export symbol in opens a dialog which provides an option to select either DOCX or PDF
- In addition to the file format, various contents are also available for selection:
  - a summary of the project results
  - a project summary including all detailed information for comparisons incorporated in the project





### Sharing (email) and exporting (.pdf/.docx) results Exporting results

- The export symbol is also provided in the "List of single comparisons"
- There is also a possibility here to export results of a single comparison

ave Home 🕨 I	Language 🕨 Project				IEC		▶ H
ave Home > P	Project: SinaSave_Manual						
ect view						C. C	. < @ 8
ombine several comparisons to one project						Total costs of Ownership (TCO) Amortization	
ject					17	Total Cost of Ownership of the Project	<b>×</b> (
tomer	SinaSave User		Project name	SinaSave_Manual		116.2	
npany	Siemens AG		Facility			99.6	
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#### Sharing (email) and exporting (.pdf/.docx) results Sharing results via email

- The share symbol < in the quick menu allows results from SinaSave to be shared with colleagues or customers. Thus, an email which conveys the respective results as an attachment can be sent directly from the tool
- This functions as follows:
  - Enter an email address in the "To" field
  - Selection of the desired format and content (email attachment)
  - (Adaptation of the text in the "Message" field)
  - Send



SIFMF

#### Sharing (email) and exporting (.pdf/.docx) results



all of the input

Dear Sir or Madam,

attached to this email you will find the file with the results exported from the SinaSave tool. This document in Email from SinaSave parameters and all of the results of the energy efficiency comparison or of the complete project - for exclusion

- Energy saving potential,
- cost saving potential and
- expected payback time.

The SinaSave tool is available at no charge at: www.automation.siemens.c maSav

With kind regards,

Esra Kocak esra.kocak@siemens.com



Project name	SinaSave Manual
Facility	
Date	October 23-2019
Comment	





## **Thank you for your attention!**

For further information and support, please contact:

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