

Armoniche

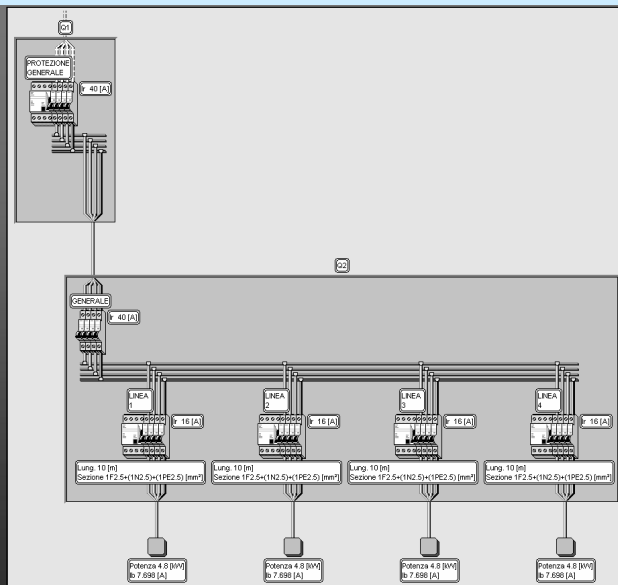
Armoniche

Un esempio

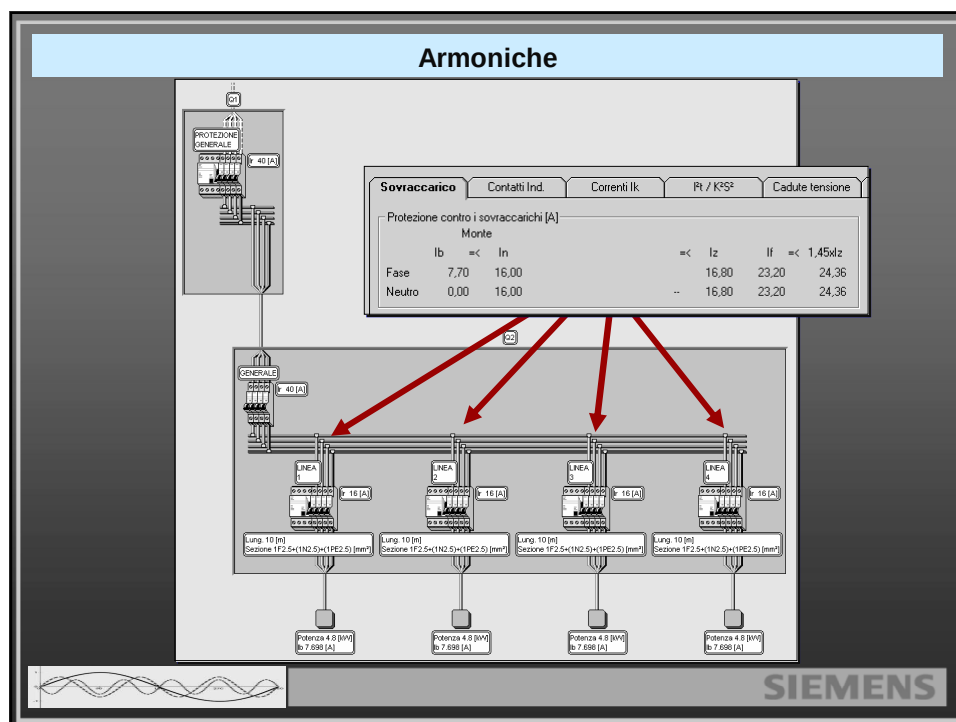
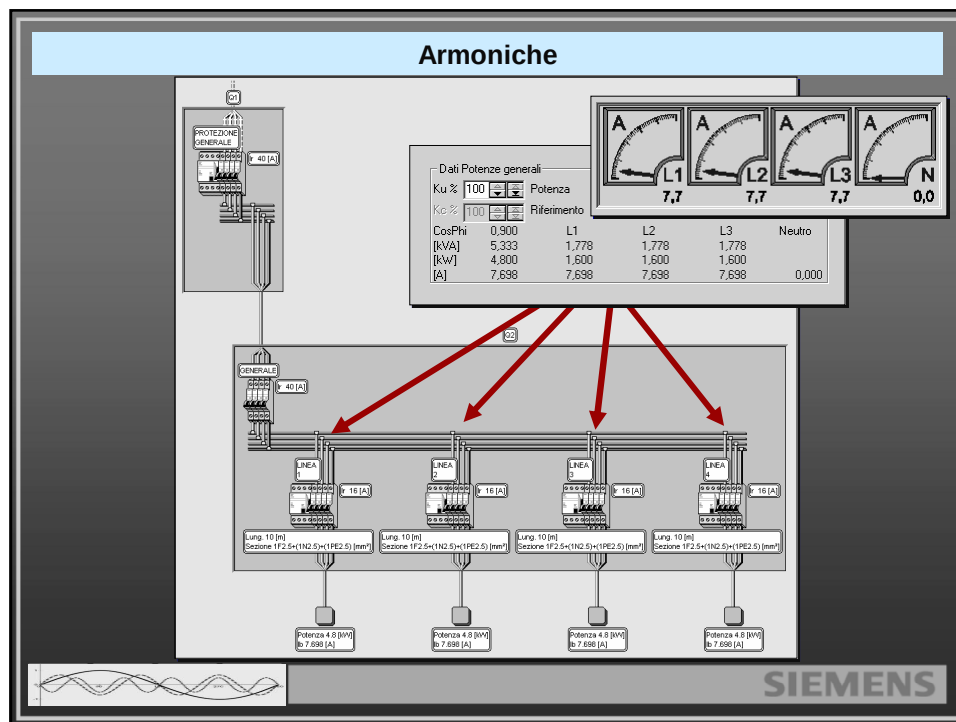


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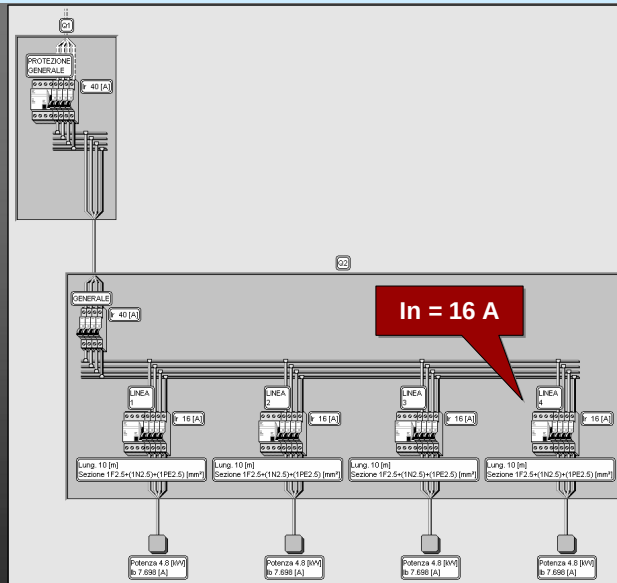
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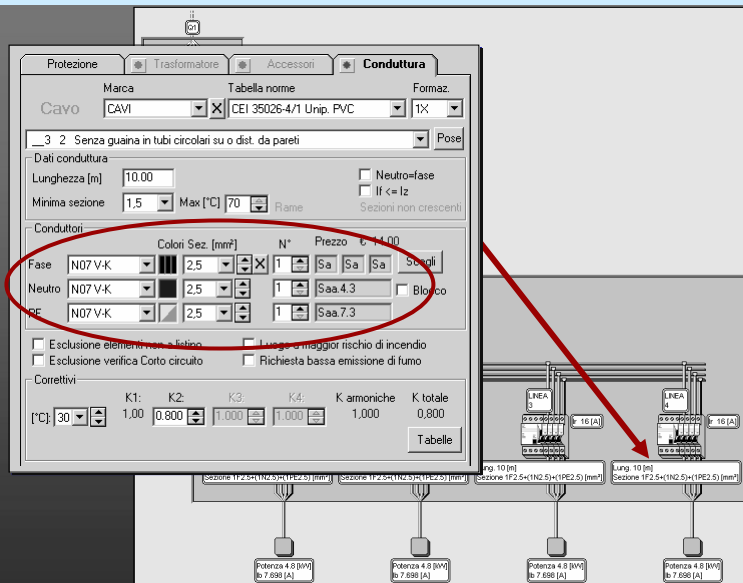
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Armoniche



Armoniche



Armoniche

Protezione | **Trasformatore** | **Accessori** | **Conduttura**

Marca: CAVI | Tabella norme: CEI 35026-4/1 Unip. PVC | Formaz.: 1X

Cavo: 3 2 Senza guaina in tubi circolari su o dist. da pareti | Pose:

Dati conduttura:
Lunghezza [m]: 10.00 | Minima sezione: 1.5 | Max [°C]: 70 | Rame | Sezioni non crescenti

Conduttori:
Fase: N07 V-K | Colore Sez. [mm²]: 2.5 | N*: 1 | Prezzo: € 14.00
Neutro: N07 V-K | Colore Sez. [mm²]: 2.5 | N*: 1 | Saa.4.3 | Blocco
PE: N07 V-K | Colore Sez. [mm²]: 2.5 | N*: 1 | Saa.7.3

Correttivi:
K1: 1.00 | K2: 0.800 | K3: 1.000 | K4: 1.000 | K armoniche: 1.000 | K totale: 0.800

Tabella

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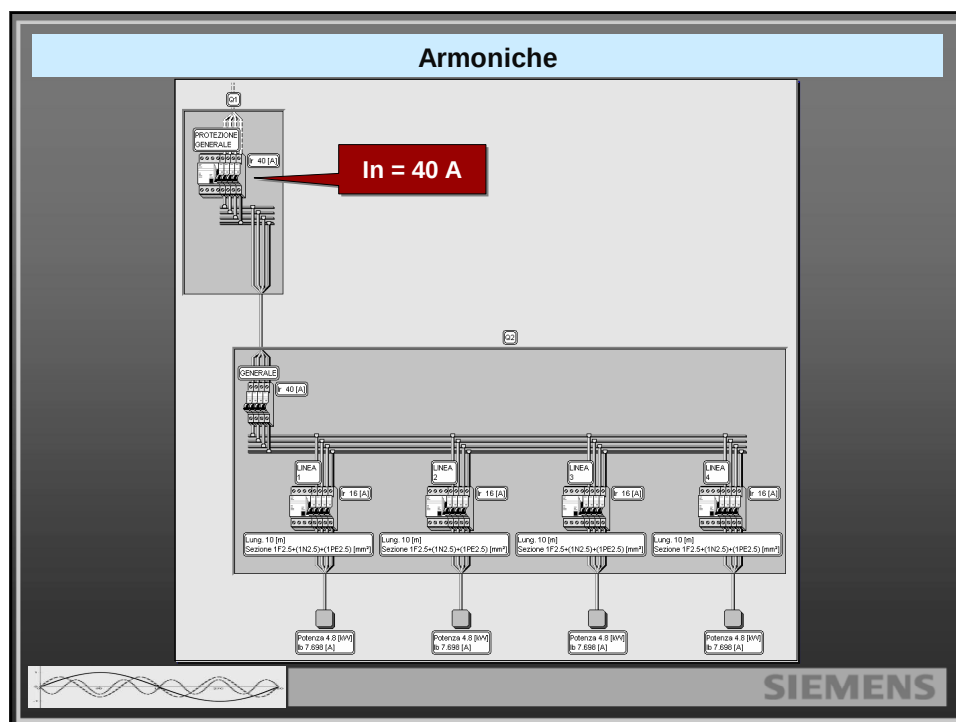
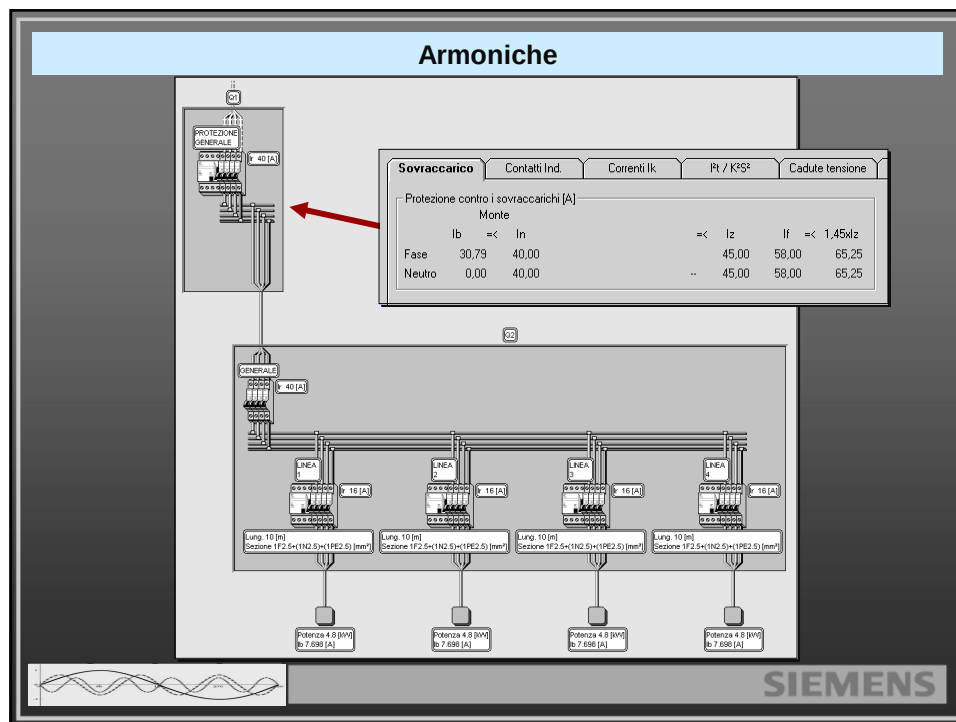
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PROTEZIONE GENERALE
40 [A]

Dati Potenze generali

	L1	L2	L3	Neutro
Ku %	100	100	100	100
Kc %	100	100	100	100
CosPhi	0.900	0.900	0.900	0.900
[kVA]	21.333	7.111	7.111	7.111
[kW]	19.200	6.400	6.400	6.400
[A]	30.792	30.792	30.792	30.792

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Armoniche

Protezione | Trasformatore | Accessori | **Conduttura**

Marca: CAVI | Tabella norme: CEI 35026-4/1 Unip. PVC | Formaz.: TX

Cavo: 3 2 Senza guaina in tubi circolari su o dist. da pareti | Pose:

Dati conduttura:
Lunghezza [m]: 10.00
Minima sezione: 1.5 | Max [°C]: 70 | Rame

☐ Neutro=fase
☐ If <= Iz
Sezioni non crescenti

Conduttori:

	Colori Sez. [mm²]	N°	Prezzo	€
Fase	N07 V-K 10	1	Sa	70.70
Neutro	N07 V-K 10	1	Saa 4.6	
PE	N07 V-K 10	1	Saa 7.6	

☐ Esclusione elementi non a listino
☐ Esclusione verifica Corto circuito
☐ Luogo a maggior rischio di incendio
☐ Richiesta bassa emissione di fumo

Correttivi:

	K1:	K2:	K3:	K4:	K armoniche	K totale
[°C]: 30	1.00	0.900	1.000	1.000	1.000	0.900

Tabella

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Armoniche

Protezione | Trasformatore | Accessori | **Conduttura**

Marca: CAVI | Tabella norme: CEI 35026-4/1 Unip. PVC | Formaz.: TX

Cavo: 3 2 Senza guaina in tubi circolari su o dist. da pareti | Pose:

Dati conduttura:
Lunghezza [m]: 10.00
Minima sezione: 1.5 | Max [°C]: 70 | Rame

☐ Neutro=fase
☐ If <= Iz
Sezioni non crescenti

Conduttori:

	Colori Sez. [mm²]	N°	Prezzo	€
Fase	N07 V-K 10	1	Sa	70.70
Neutro	N07 V-K 10	1	Saa 4.6	
PE	N07 V-K 10	1	Saa 7.6	

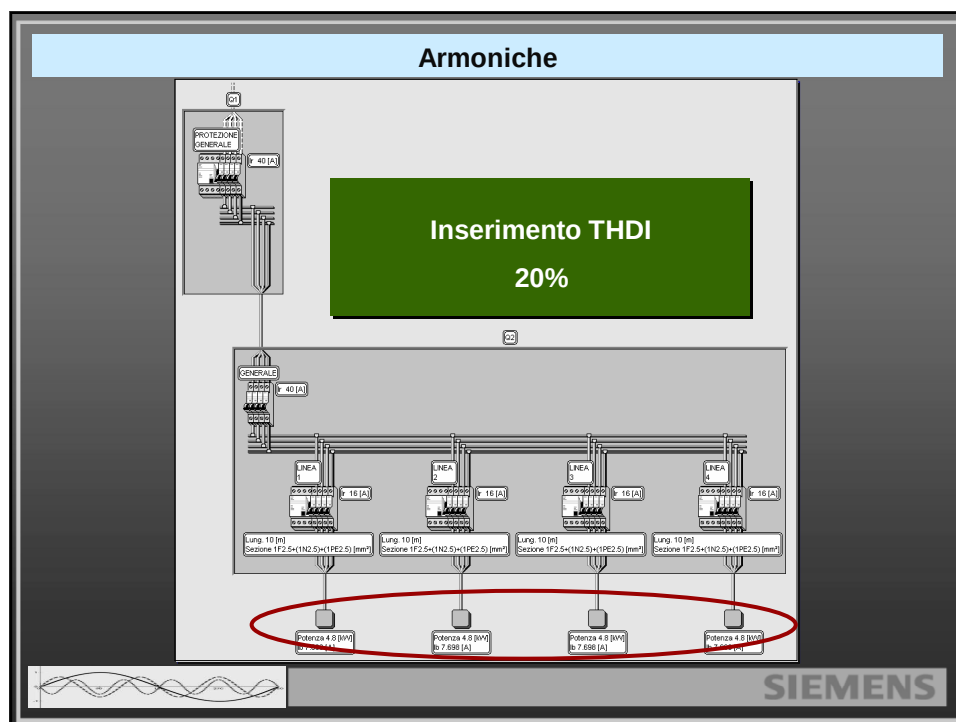
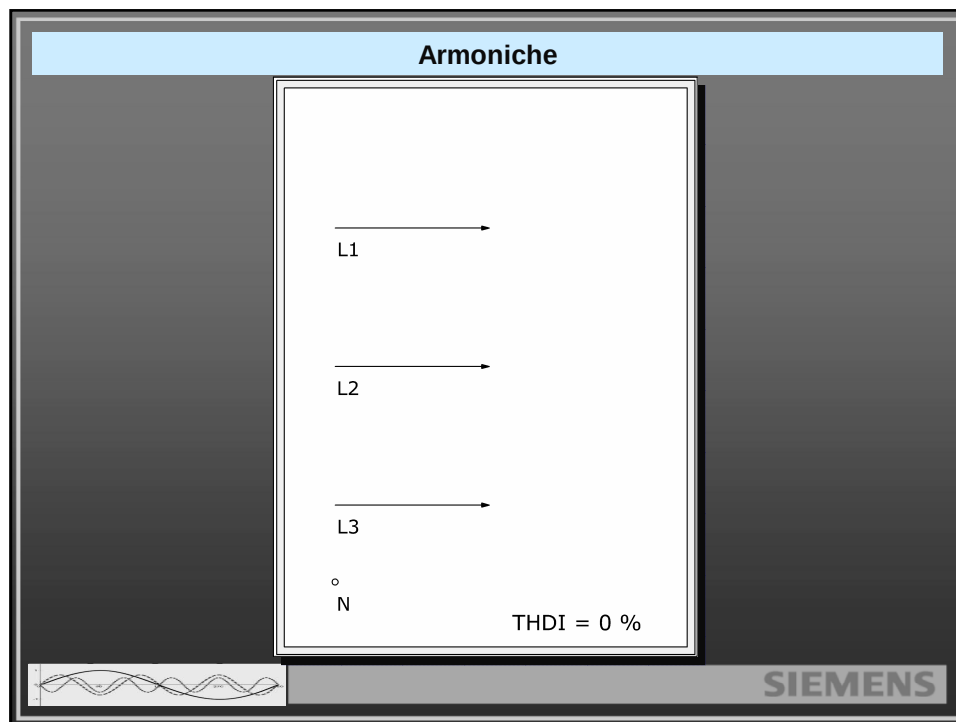
☐ Esclusione elementi non a listino
☐ Esclusione verifica Corto circuito
☐ Luogo a maggior rischio di incendio
☐ Richiesta bassa emissione di fumo

Correttivi:

	K1:	K2:	K3:	K4:	K armoniche	K totale
[°C]: 30	1.00	0.900	1.000	1.000	1.000	0.900

Tabella

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Armoniche

Edit elementi per 'Siemens-Armoniche'

Modifica campi 'Utenze'

N.	Sigla utenza	Descrizione 1	Descrizione 2	Lung...	Polarità	[kW]	Cos...	K ut...	C.d.	THDI
1	Q2 C-1	LINEA	1	10.0	Quadrifilare	4.800	0.900	100	4.000	20
2	Q2 C-2	LINEA	2	10.0	Quadrifilare	4.800	0.900	100	4.000	20
3	Q2 C-3	LINEA	3	10.0	Quadrifilare	4.800	0.900	100	4.000	20
4	Q2 C-4	LINEA	4	10.0	Quadrifilare	4.800	0.900	100	4.000	20

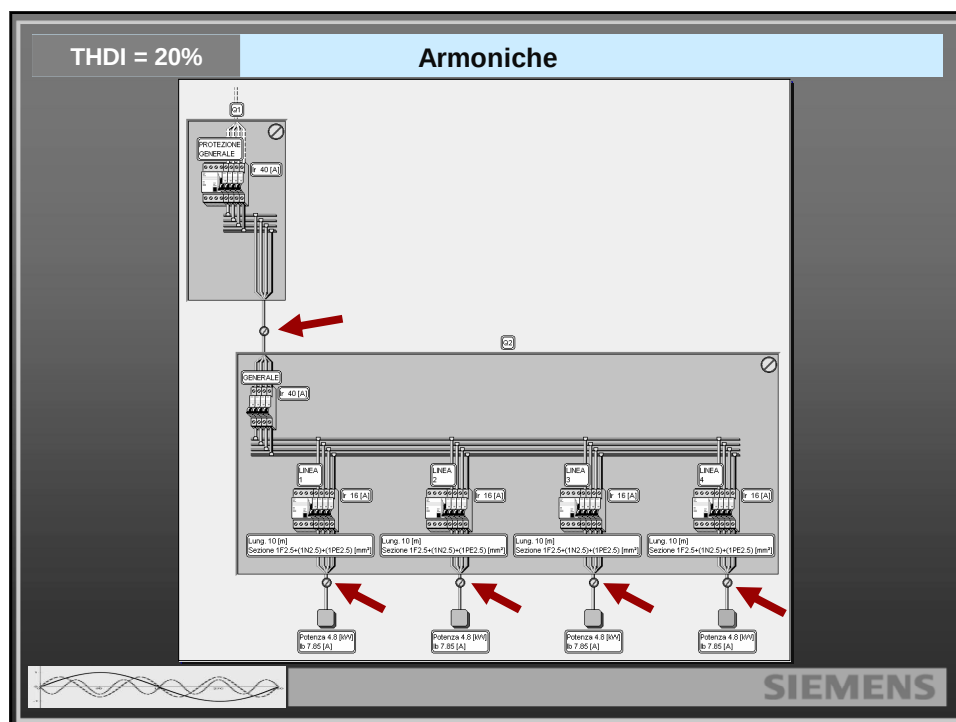
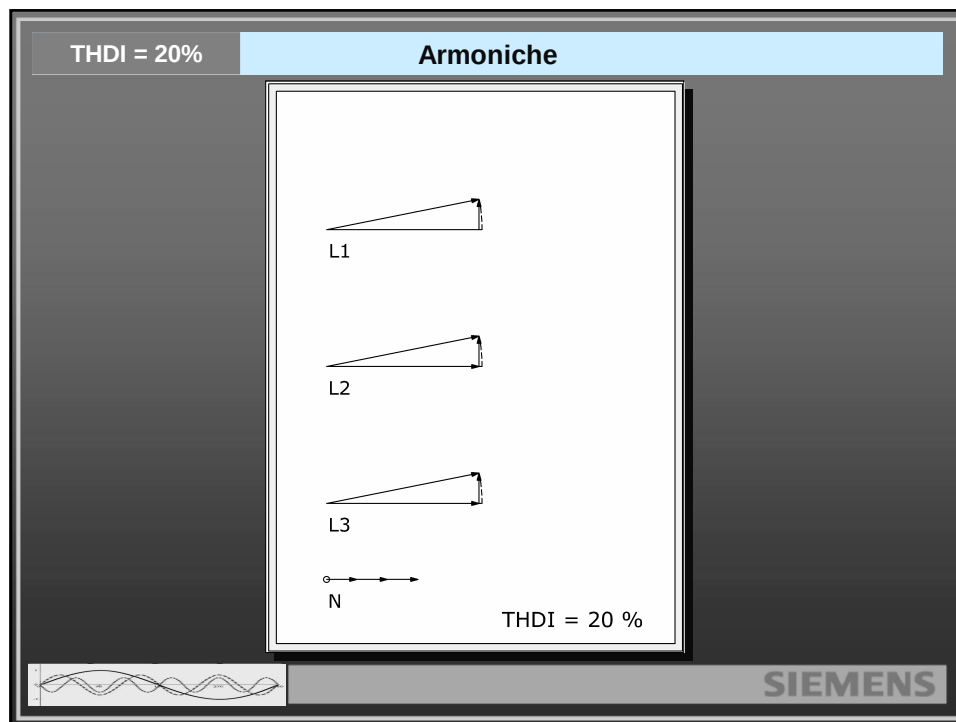
THDI = 20%

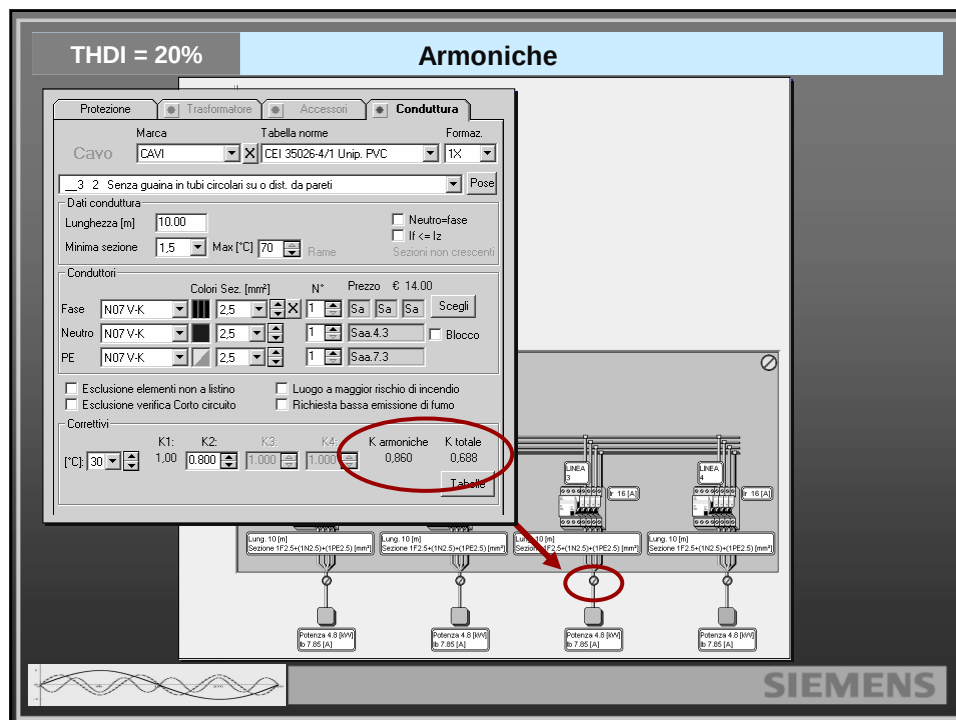
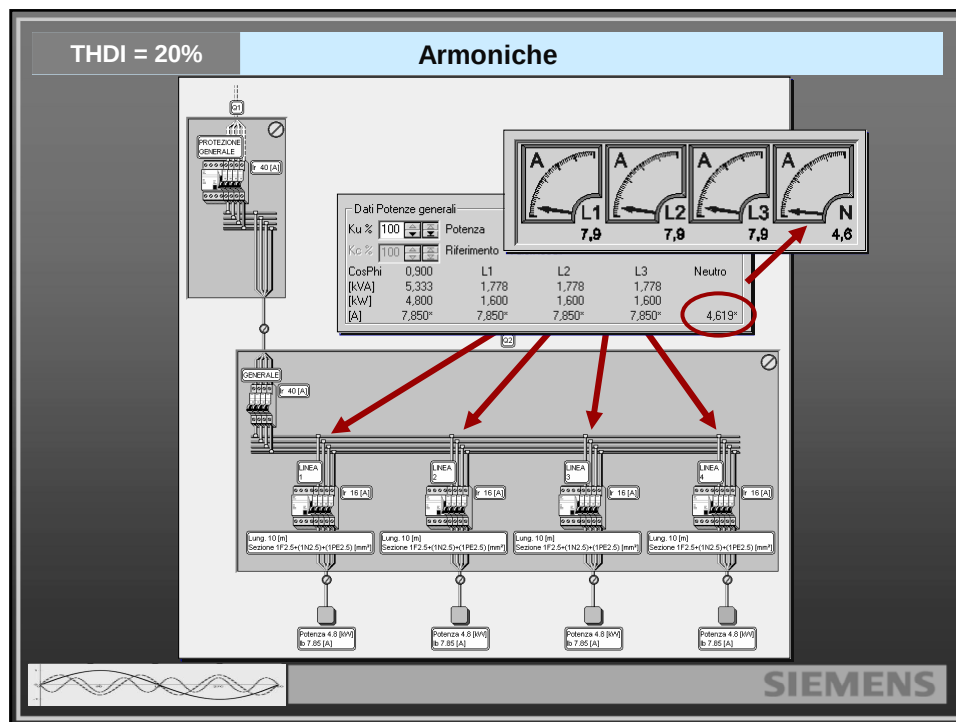
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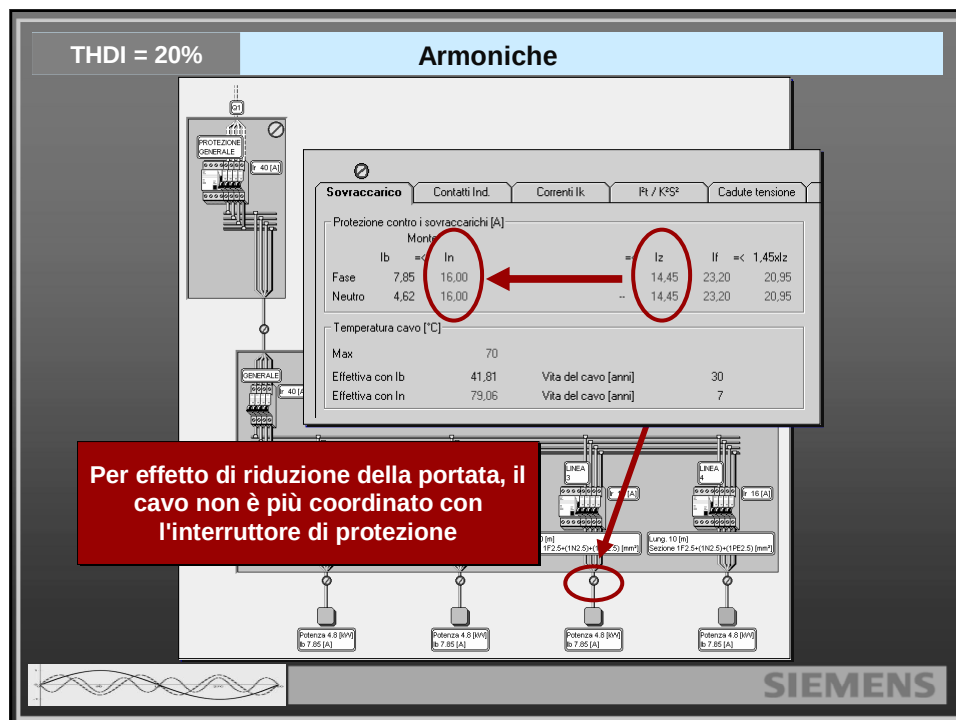
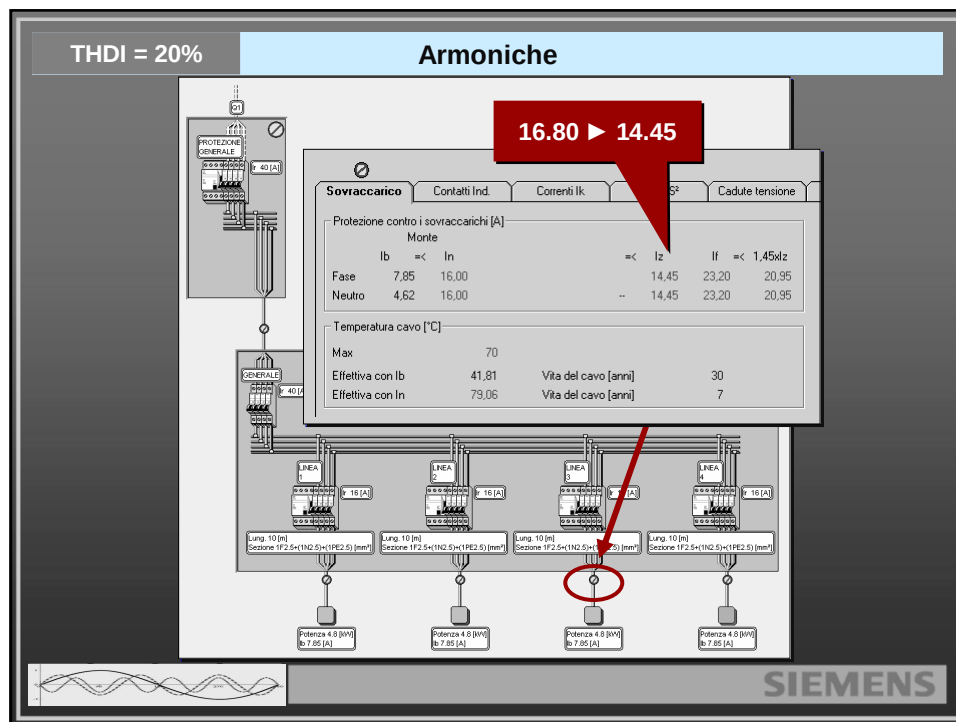
Armoniche

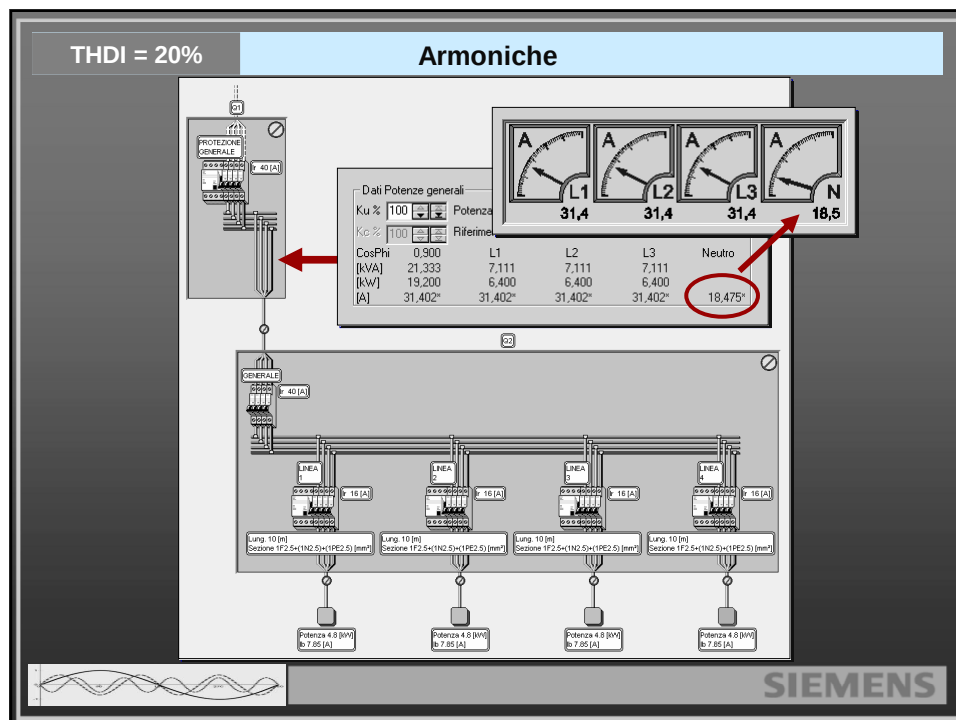
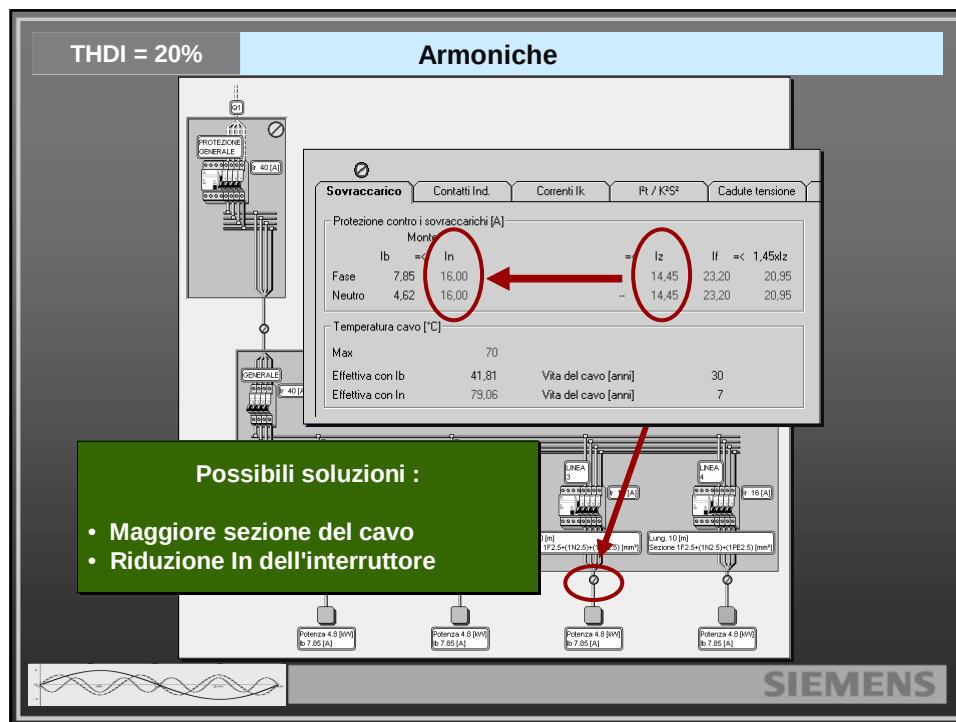
← Conferma →

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THDI = 20%

Armoniche

Protezione | **Trasformatore** | **Accessori** | **Conduttura**

Marca: CAVI | Tabella norme: CEI 35026-4/1 Unip. PVC | Formaz.: 1X

Cavo: 3 2 Senza guaina in tubi circolari su o dist. da pareti

Dati conduttura:
Lunghezza [m]: 10.00 | Minima sezione: 1.5 | Max [°C]: 70

Conduttori:
Fase: N07 V-K | Colore: 10 | N°: 1 | Prezzo: € 70.70
Neutro: N07 V-K | Colore: 10 | N°: 1 | Prezzo: Saa.4.6
PE: N07 V-K | Colore: 10 | N°: 1 | Prezzo: Saa.7.6

Correttivi:
K1: 1.00 | K2: 0.900 | K3: 1.000 | K4: 1.000 | **K armoniche: 0.860** | **K totale: 0.774**

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THDI = 20%

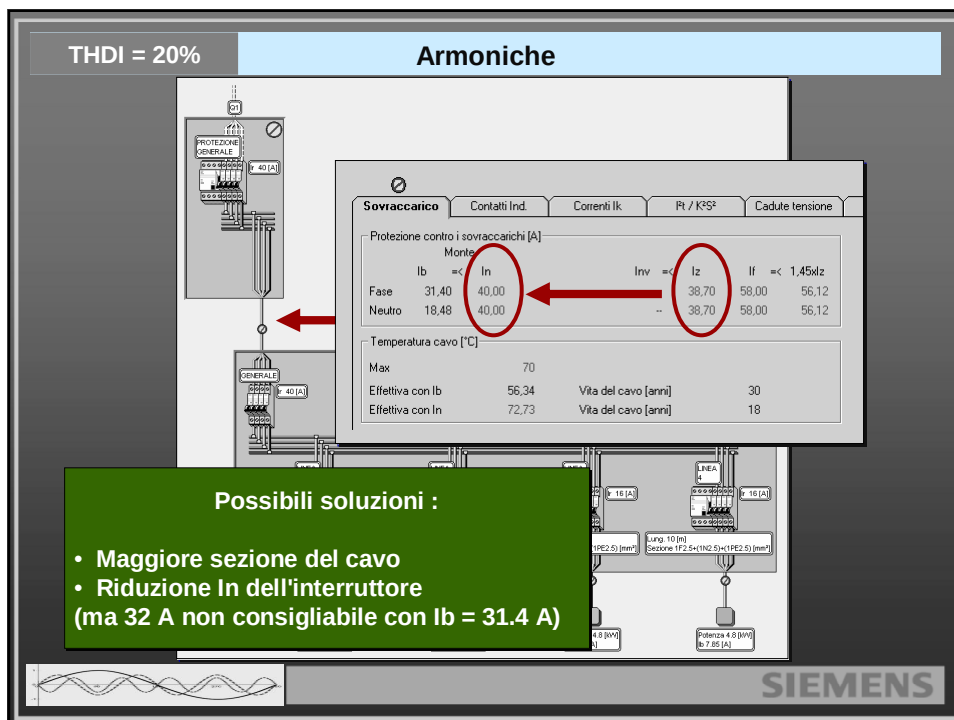
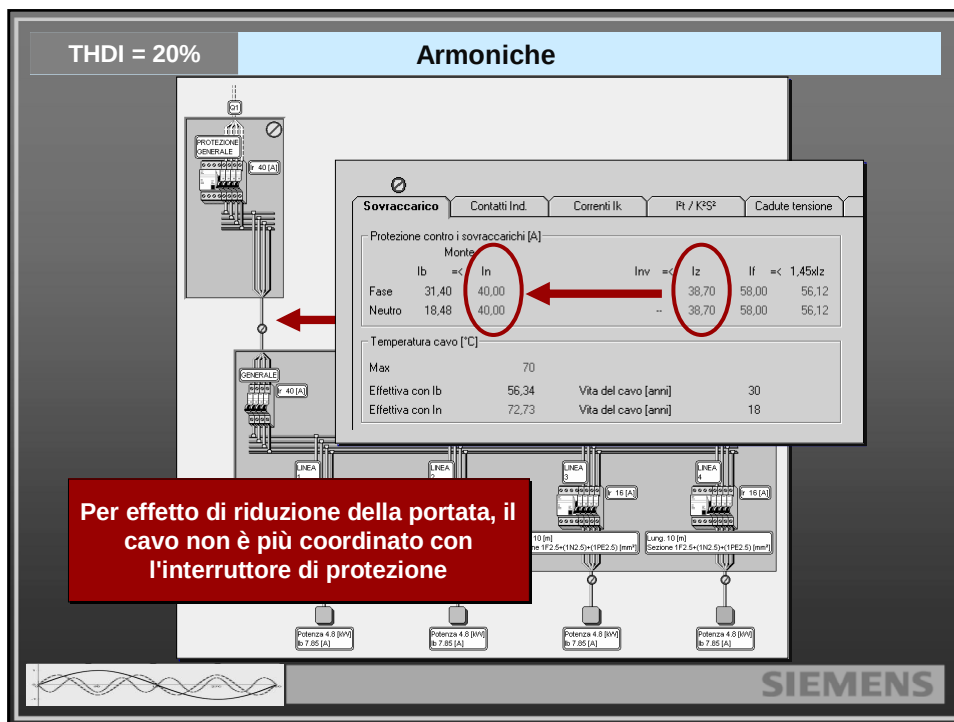
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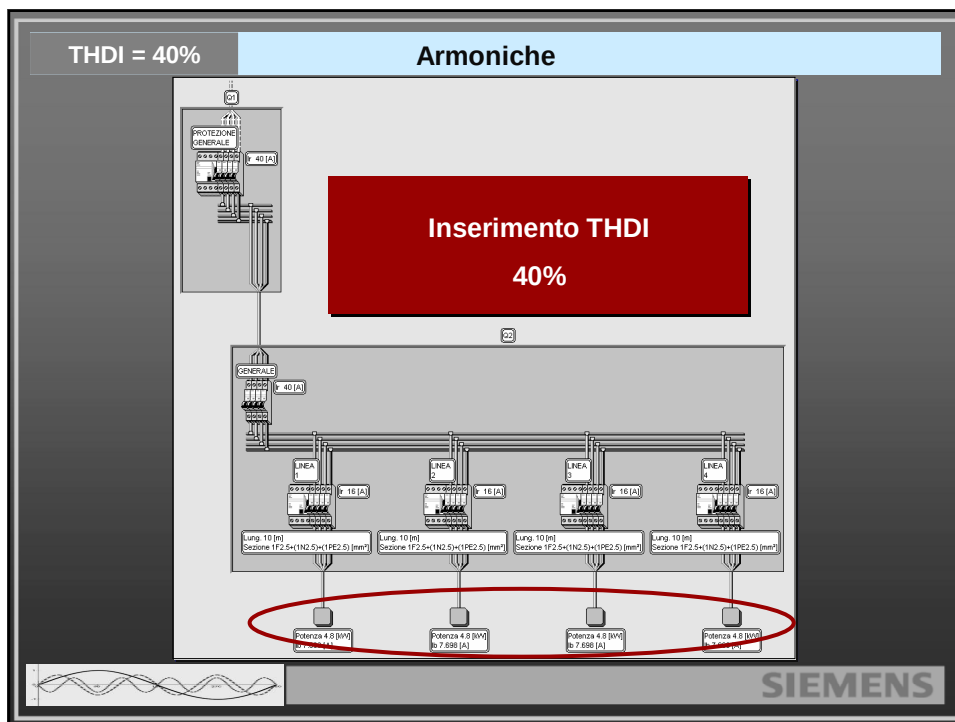
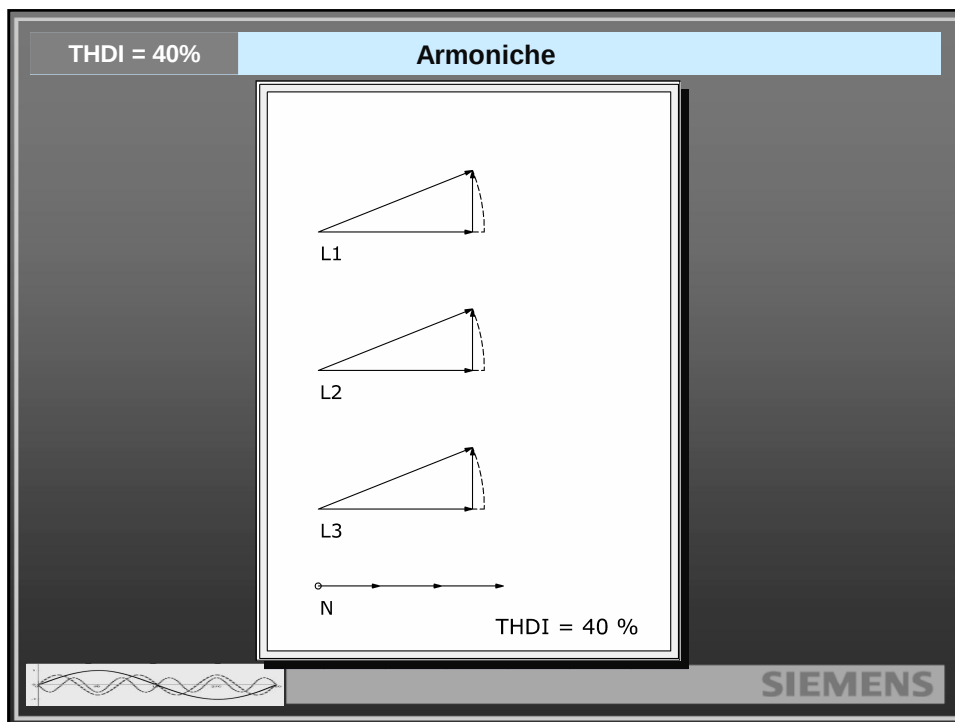
45.00 ► 38.70

Sovraccarico					
	Contatti Ind.	Correnti Ik	Imv	Iz	Cadute tensione
Protezione contro i sovraccarichi [A]					
Monte					
	Ib	=< In		Iz	If =< 1,45xIz
Fase	31,40	40,00		38,70	58,00 56,12
Neutro	18,48	40,00		38,70	58,00 56,12

Temperatura cavo [°C]			
Max	70		
Effettiva con Ib	56,34	Vita del cavo [anni]	30
Effettiva con In	72,73	Vita del cavo [anni]	18

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THDI = 40%
Armoniche



Edit elementi per 'Siemens-Armoniche'

Modifica campi 'Utenze'

N.	Sigla utenza	Descrizione 1	Descrizione 2	Lung...	Polarità	[kW]	Cos...	K ut...	C.d.	THDI
1	Q2 C-1	LINEA	1	10.0	Quadrifilare	4.800	0.900	100	4.000	40
2	Q2 C-2	LINEA	2	10.0	Quadrifilare	4.800	0.900	100	4.000	40
3	Q2 C-3	LINEA	3	10.0	Quadrifilare	4.800	0.900	100	4.000	40
4	Q2 C-4	LINEA	4	10.0	Quadrifilare	4.800	0.900	100	4.000	40

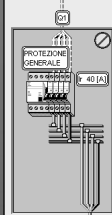
THDI = 40%

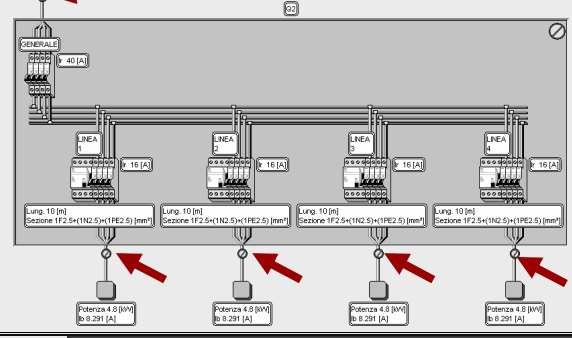
Conferma Annulla



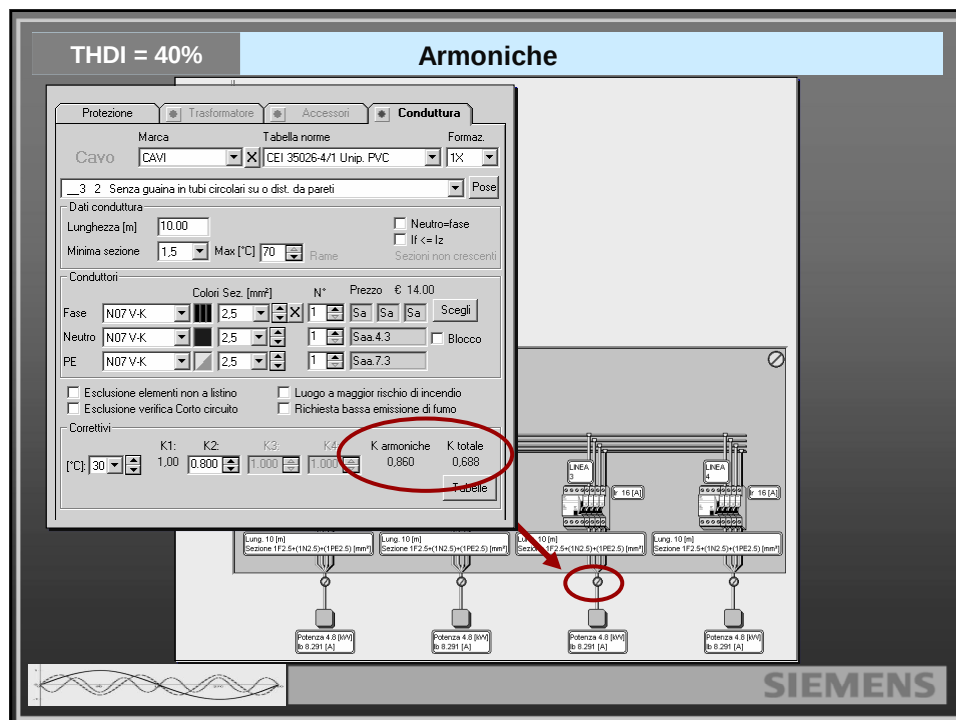
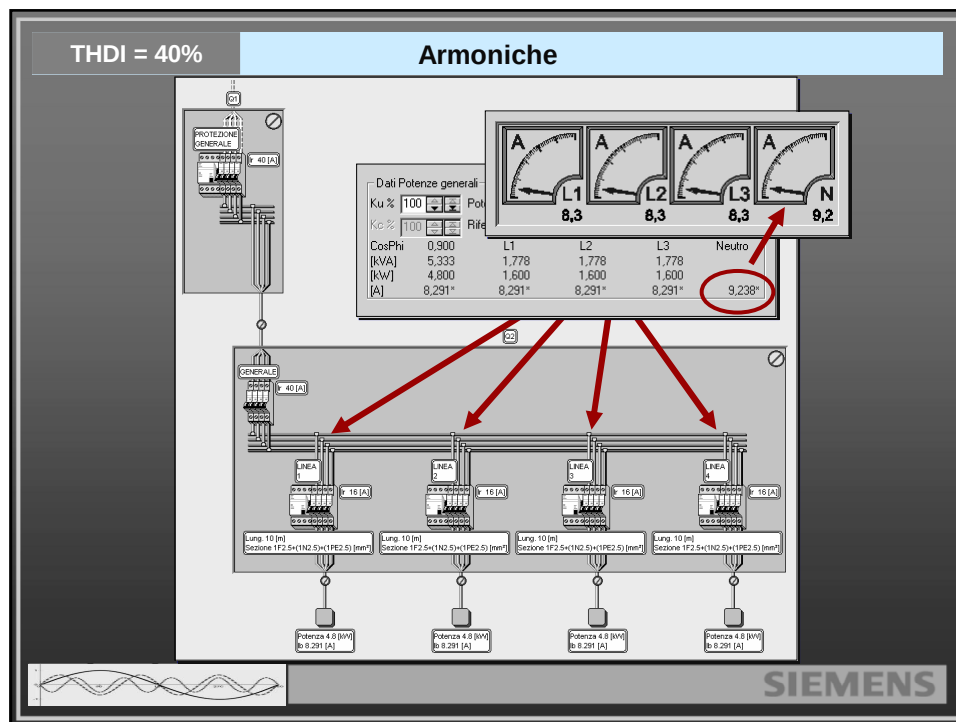

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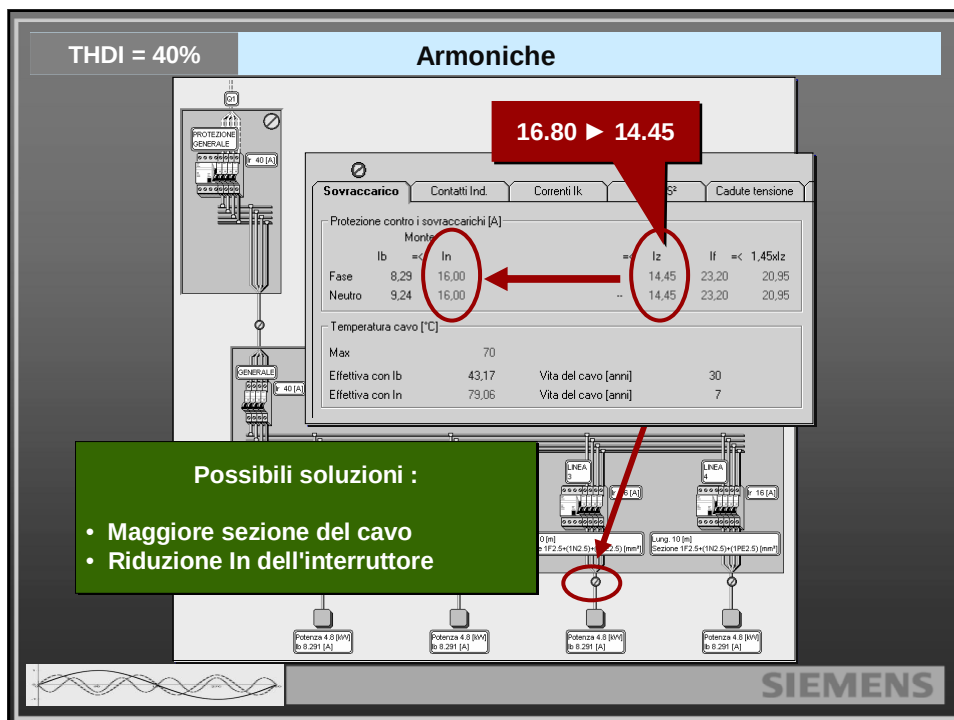
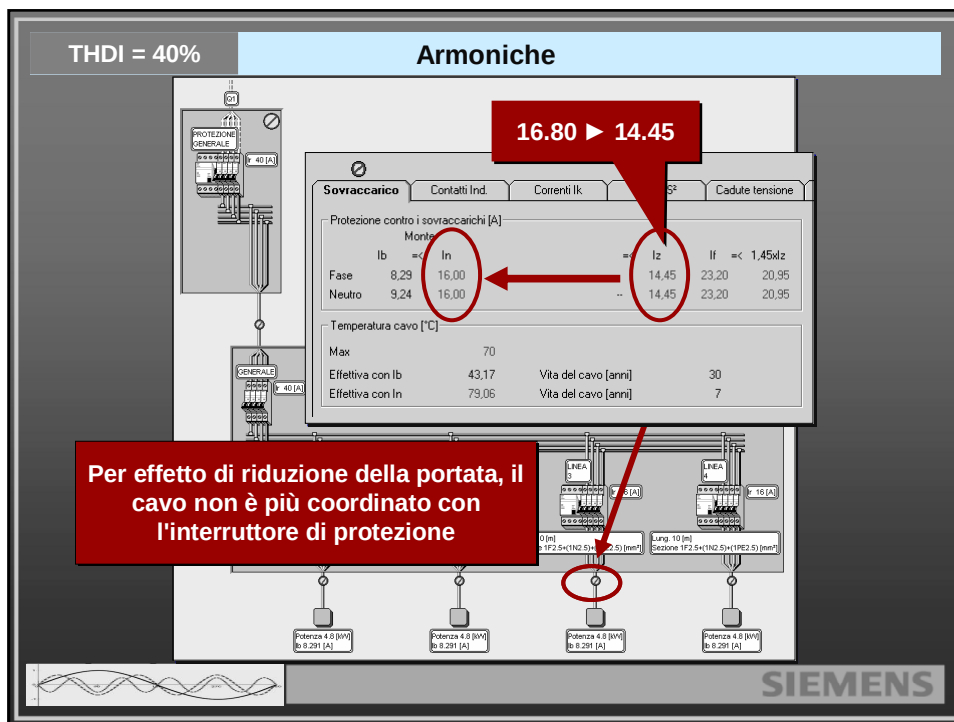
THDI = 40%
Armoniche

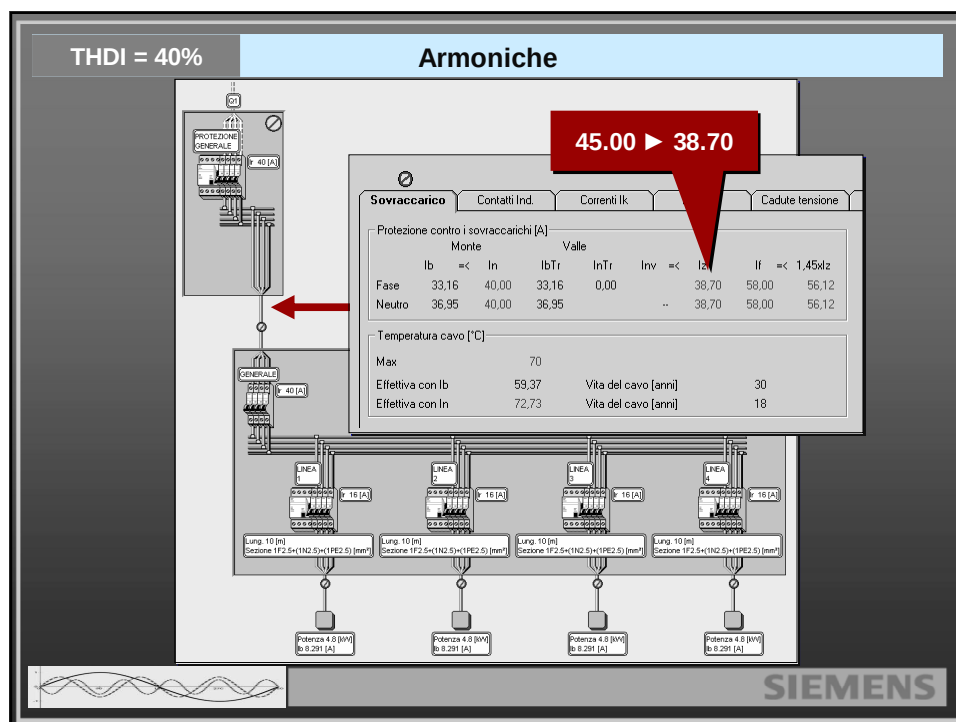
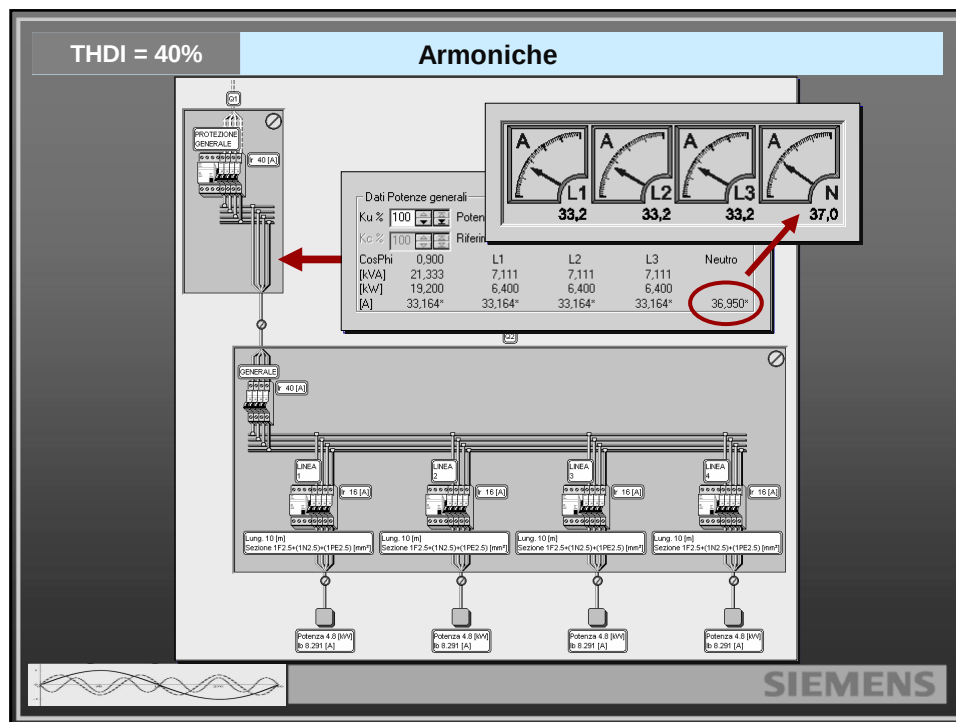


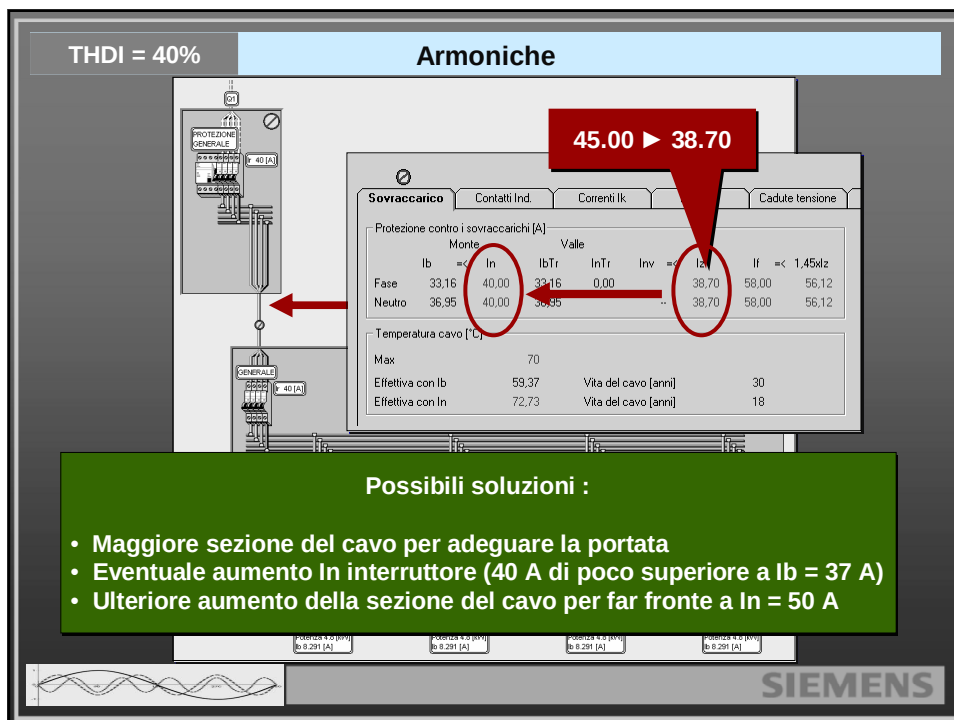
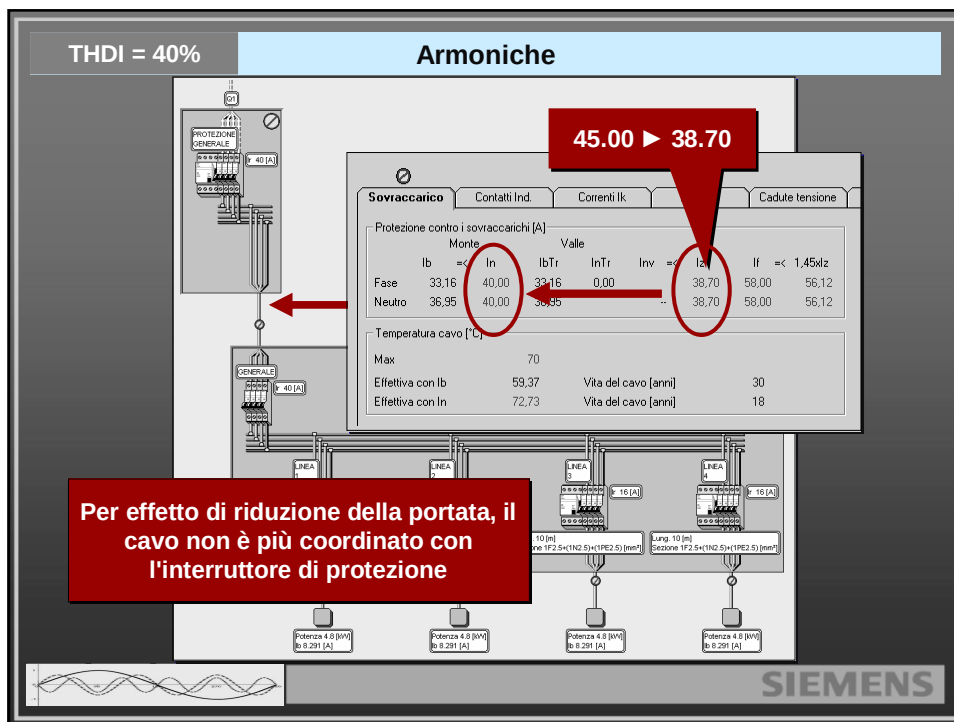


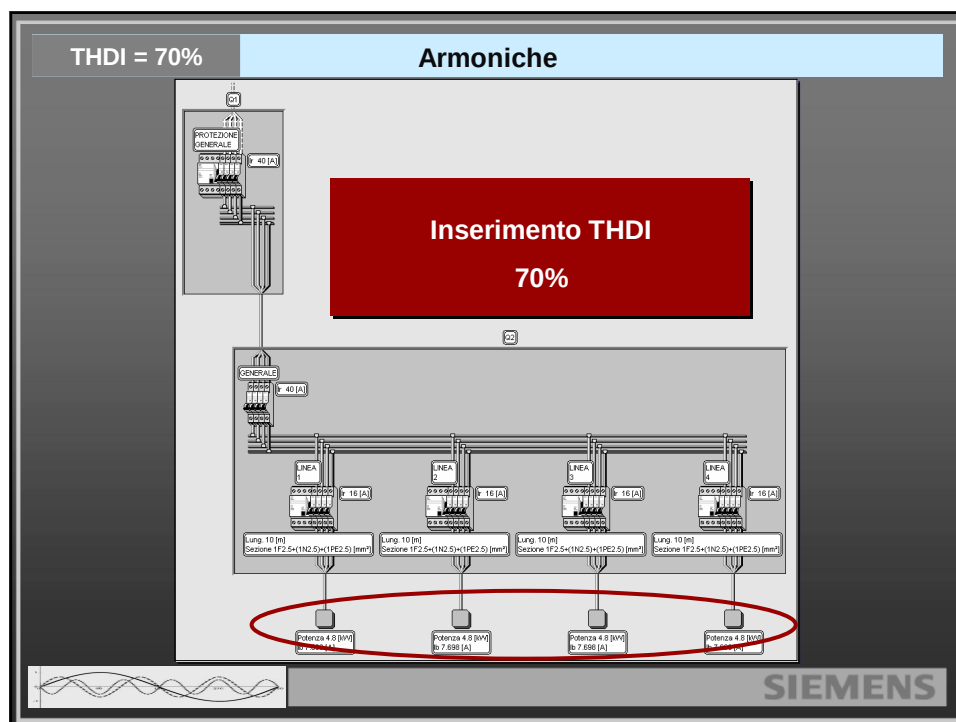
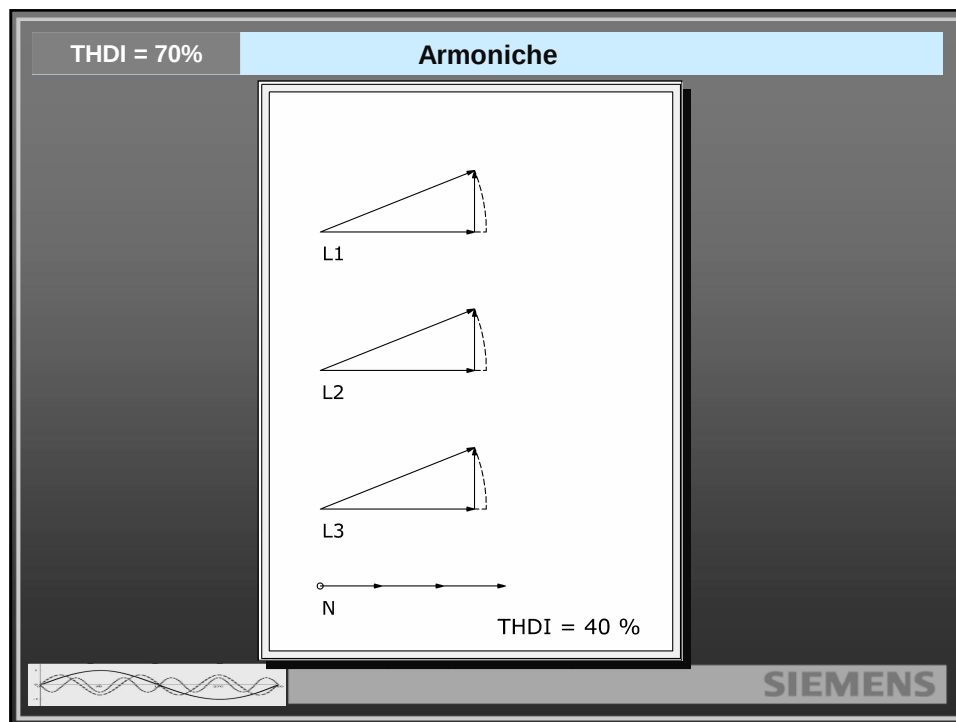

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THDI = 70%
Armoniche

Modifica campi 'Utenze'

N.	Sigla utenza	Descrizione 1	Descrizione 2	Lung...	Polarità	[kW]	Cos...	K ut...	C.d.	THDI
1	Q2 C-1	LINEA	1	10.0	Quadrifilare	4.800	0.900	100	4.000	70
2	Q2 C-2	LINEA	2	10.0	Quadrifilare	4.800	0.900	100	4.000	70
3	Q2 C-3	LINEA	3	10.0	Quadrifilare	4.800	0.900	100	4.000	70
4	Q2 C-4	LINEA	4	10.0	Quadrifilare	4.800	0.900	100	4.000	70

THDI = 70%

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THDI = 70%
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The diagram illustrates a harmonic analysis setup. At the top, a red circle highlights the 'GENERAL' settings for the main system. Below, a red circle highlights the 'GENERAL' settings for a specific load. Red arrows point from these settings to the corresponding load in the diagram. The diagram shows a 4-phase system with four loads, each labeled 'Potenza 4.8 [kW] (I= 9.397 [A])'. The loads are connected to a common busbar. The diagram also shows the harmonic analysis results for each load, including the THDI value (70%) and the current (I= 9.397 [A]).

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