Jupiter NG 1+2



Jupiter NG 1+2

- Analise du risco Foudre segundo IEC 62305-2
- Calculo de R1, R2, R3 e R4
- Comparação entre soluções
- Diferentes versões de relatorios possiveis

Dados estruturais

Dados estruturais completos :

- Imagem da estrurura
- Dados globais do projecto
- Selecionar éd. 1 ou 2
- Seus comentarios

| File Project Reports Configuration Help | Jupiter NG | 6 12 - en | _hospi | tal_12 | 4.j12 | | |
|--|------------|----------------|--------|--------|-------|--------------------------|--|
| Update | Picture: | | | | | | |
| date: 15/10/2021 customer: | Load | | elete | | ру | | |
| Structure: Hospital ed. 2 designer: | | | _ | _ | | | |
| Sum of people in all zones: 1000,00 | Î | | | | | | |
| Values : annual rates: | | | | | | | |
| Bulding and all contents = R\$ 90.000.000,00 interest = 0,04 | | | _ | | | | |
| amortization = 0,05 maintenance = 0,01 | | | | | 4 | | |
| Standard: IEC 62305 ed.2 🔹 | A | | | | ב | | |
| | | | | | | | |
| Coments: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | ~ _ | E | 3 | ÷ | C, | |
| • | | | | | | | |
| Master file: en_hospital_1204.j12 Structure: Hospital ed. 2 | Solutio | on # 1 | _ | _ | | Standard: IEC 62305 ed.2 | |

Dados das soluções

Até 6 soluções para cada estrutura

Cada solução pode conter :

- Até 16 zonas
- Até 16 linhas de serviços
- Combinar não importa que zona a não importa qualquer linha de serviço

| | | Jupiter | NG 12 - en_hospital_1204.j12 | | |
|-------------------------|---------------------------|--|---|--------------------------|---|
| File Project R | eports Configuration Help | | | | |
| Names Risk Solution: | Zones Service Lines | Load Solution to Memory: Description: | 1 - Original 1 - Original 2 - Solution A 3 - Solution B 4 - Solution C 5 - 5 | v Load | |
| 1 | Original | no LPS, no SPD | 6 - 6 | | |
| | Solution A | LPS I, SPD 1.5x, fire prot. Z2, shield 0.5 | | | |
| | Solution B | LPS I, SPD 3x, fire prot. Z2 | | | |
| | Solution C | LPS I, SPD 2x, fire prot. Z2, shield 0.1 | | | |
| | 5 | Enter descr. | | | |
| | 6 | Enter descr. | | | |
| | | | | | 2 |
| Master file: en_h | ospital_1204.j12 | Structure: Hospital ed. 2 So | lution # 1 | Standard: IEC 62305 ed.2 | |

Dados de exposição

Neste écran :

Entrar :

- Situação de exposição
- Densidade de descargas
- Dimensões da estrutura

- Zona de incidência
- area equivalente
- Impactos na é proximos da estrutura

| Ju e Project Reports Configuration Help | piter NG 12 - en_hospi | tal_1204.j12 | | | | |
|--|---|---------------------------------|-----------------|-------------------|-----|--|
| Tolerable Incidence Services Zones Solutions Preview | | | | | | |
| Environment: : Isolated structure: no other objects in the vicinity | | Structure | dimensions [m]: | | | |
| Flash Incidence: 4,0000 flashes / km² / year | 1 | | A - Height: | 10,00 | [m] | |
| Sources for Incidence data: | | | B - Width: | 50,00 | [m] | |
| France: <u>www.meteorage.com/solutions/evaluate</u> World: <u>ghrc.nasstc.nasa.gov/lightning/dataset-info.html</u> Brasil: please see "World" or the incidence maps on the NBR 5419 standard | | | C - Length: | 150,00 | [m] | |
| Incidence: | 1 | | Ipdate | | | |
| After setting the tolerable Risks, we can calculate how many flashes will hit the Location and its surroudings | H I I I I I I I I I I I I I I I I I I I | Areas: Real: | 7500,00 | [m²] | | |
| Choose the appropriate environment - other buildings near the Location, and their relative height. | | Collection (A | d): 22327,43 | [m ²] | | |
| The standard requires the lightning density in flashes/square kilometer/year, you can find the data on the internet links indicated | | | | | | |
| Then enter the overall dimentions of the structure and click on the "Update" button to get the expected number of flashes to the structure and on its surroundings each year. | | Strikes to the structure Nd = | 0,08930973 | /year | | |
| | | Strikes near the structure Nm = | 3,94159265 | /year | | |
| aster file: en_hospital_1204.j12 Structure: Hospital ed. 2 | Solution # 1 Original | Standard: IEC 62305 e | ed.2 | _ | | |

Dados das linhas de serviços

Neste écran :

Entrar :

- Novas linhas (ou modifcar)
- Parâmetros de linhas
- Descrição da linha
- Estrutura adjacente (no caso de existir)

- Area équivalent
- Zona de influência
- Impactos sobre e na proximidade da linha
- Resultados da estrutura adjacente

| Project Reports Configuration H | ielp | Jupiter NG 12 - en_hos | spital_1204.j12 | | |
|---|--|------------------------|----------------------------------|--------------|--|
| erable Incidence Services Zor | nes Solutions Preview | | | | |
| Line: Power original Telecom original | New Edit Colle | ction Area = 20000,00 | ines: Strikes to service NI = | 0,004000 | Jupiter NG can use up to 16 Service lines for each structure Any one of them can be used by one or more Zones. |
| Power SPD 1.5x Telecom SPD 1.5x | Copy to new Influ | ence Area = 2000000,00 | Strikes near the service Ni = | 0,400000 | Please note that, to be used by a Zone calculation, you must click on the button 'Update', above, after changing some parameter and before moving to |
| Power SPD 3x | • Delete | Adj. Area = 0,00 | Strikes to adj structure Nadj = | 0,000000 | another Service on the table. |
| Instalation: Buried Line type: HV power (with HV/LV transformer) Environment: Suburban | factor CI: factor CT: factor CE: | | | | |
| | | | | 4 | |
| ter flat on hamital 1204 (12 | Structure: Hornital ed 2 | Solution # 1 Original | Standard: IE(| C 62305 ed 2 | |

Dados e visualização das zonas

Neste écran :

Entrar :

- Novas zonas (ou modificar)
- parâmetros de zona
- Descripção e imagem da zona
- Estrutura adjacente (no caso de existir)

Jupiter:

• Visualização dos riscos da zona

| Proje | ect Reports | Configuratio | n Help | | | | | | |
|---------|-------------------|--------------|------------|----------|----------------|--------|-------------|--|-------|
| lerable | Incidence | Services | Zones | Solution | ns Preview | | | | |
| Zon | e: | | # people | e: h | ours/year | | New | Zones: | |
| Z1 - | entrance | | | 10 | 8760 | Ы | | Jupiter NG can use up to 16 Zones for each local (structure, building) for IEC ed. 1 or 2 | |
| Z2 - | rooms | | | 950 | 8760 | | Edit | Please note that you must click on the button 'Update' at 'Zone Preview' tab when you change any data of the | zone. |
| Z3 - | surgery | | | 35 | 8760 | | Copy to new | | |
| Z4 - 1 | ICU | | | 5 | 8760 | | | | |
| Z2A | - LPS I, fire ext | | | 950 | 8760 | Ŧ | Delete | | |
| ne | Risk Component | ts Protec | tions Lo | osses | Protection Cos | t Z | one Preview | | |
| Upd | ate Preview | C | ear | | Copy | / Tabl | e Copy Gr | Risks Zone: Z4- ICU | |
| Proha | hiliby | 10 | | | Dick | | | | |
| Pa = 1 | 0000E+0 | la | = 5 0000E- | 10 | Risk Ra = | 4 465 | 5E-11 | 1 x10 E-1 | R2 |
| Pb = 1 | .0000E+0 | Lb | = 2.5000E | -3 | Rb = | 2.232 | 7E-4 | | 📮 R3 |
| Pc = 1 | .0000E+0 | Lc | = 5,0000E | -5 | Rc = | 4.465 | 5E-6 | 1 x10 E-2 | |
| Pm = 6 | 5,4442E-3 | Lm | = 5,0000E | -5 | Rm = | 1,270 | I0E-6 | | |
| | | Lu | = 5,0000E | -10 | Ru = | 9,691 | 0E-12 | 1 x10 E-3: | |
| | | Lv | = 2,5000E | -3 | Rv = | 4,845 | 5E-5 | | |
| | | Lw | = 5,0000E | -5 | Rw = | 9,691 | .0E-7 | 1 x10 E-4 | |
| | | | | | R1 = | 2,784 | 3E-4 | | |
| | | | | | RT1 = | 1,00 | 00E-5 | 1 x10 E-5 | |
| | | | | | LPS N | EEDED |) | | |
| Pa = 1 | ,0000E+0 | lae | = 0,0000E | E+0 | Rae = | 0,00 | 00E+0 | 1 x10 E-6 : | |
| Pb = 1 | ,0000E+0 | lbe | = 1,16678 | -2 | Rbe = | 1,04 | 19E-3 | | |
| Pc = 1 | ,0000E+0 | lce | = 1,1111E | -4 | Rce = | 9,92 | 33E-6 | 1 x10 E-7 | |
| Pm = 6 | 5,4442E-3 | Ime | e = 1,1111 | E-4 | Rme : | = 2,82 | 23E-6 | | |
| | | lue | = 0,00008 | E+0 | Rue = | 0,00 | 00E+0 | 1 x10 E-8 RA RB RC RM RU RV RV | V RZ |
| | | | | | - | 0.00 | | | |

Relatorios da zona

Neste écran :

- Entrar :
- Selecionar zona
- Selecionar o grafico
- Selecionar os riscos

Jupiter:

• Visualização do riscos da zona



Neste ecran e nos seguintes:

Entrar :

• selecionar soluções a comparar

- Zonas de cada solução
- Linhas de serviços
- Visualização dos riscos da solução
- Riscos comparativos
- Custos comparativos

| File Project Reports Configuration H | Jupiter NG 12 - en_hospital_1204.j12 Project Reports Configuration Help | | | | | | | | |
|--------------------------------------|---|---------------|---------------|-----------------------|------|-------------------|---------|--|--|
| | Select: | | | | | | | | |
| Names Risk Zones Service Lines | s Compare Costs | Compare Risks | | | | | | | |
| | | | | Update | Сору | | | | |
| Solution: | 1 | 2 | 3 | 4 | 5 | 6 | | | |
| Name : | Original | Solution A | Solution B | Solution C | 5 | e | | | |
| Zone: 1: | Z1 - entrance | Z1 - entrance | Z1 - entrance | Z1 - entrance | | | | | |
| Zone: 2: | Z2 - rooms | | | | | | | | |
| Zone: 3: | Z3 - surgery | | | | | | | | |
| Zone: 4: | 24 - ICU | | | | | | | | |
| Zone: 5: | | Z2A - LPS I, | | | | | | | |
| Zone: 6: | | Z3A - LPS I, | | | | | | | |
| Zone: 7: | | 24A - LPS I, | | | | | | | |
| Zone: 0: | | | 22B - LDS I, | | | | | | |
| Zone: 9: | | | Z3B - LPS I | | | | | | |
| Zone: 10: | | | Z4B - LPS I | | | | | | |
| Zone: 11: | | | | Z2C - LPS i, | | | | | |
| Zone: 12: | | | | Z3C - LPS I, | | | | | |
| Zone: 13: | | | | Z4C - LPS I, | | | | | |
| | | | | | | | | | |
| 1 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Master file: | Structure: H | ospital ed. 2 | So | lution # 3 Solution B | | Standard: IEC 623 | 05 ed.2 | | |

Neste ecran e nos seguintes:

Entrar :

• Selecionar soluções a comparar

- Zonas de cada solução
- Linhas de serviços
- Visualização dos riscos da solução
- Riscos comparativos
- Custos comparativos

| | Select: | | | | | | | | | |
|----------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------|
| mes Risk Zones Service Lir | nes Compare Costs | Compare Risks | 1 | | | | | | | |
| | | (| Clear | Update | Сору | | | | | |
| Zone: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 ^ |
| Name : | Z1 - entrance | 22 - rooms | Z3 - surgery | 24 - ICU | Z2A - LPS I, | Z3A - LPS I, | Z4A - LPS I, | Z2B - LPS I, | Z3B - LPS I | 24B |
| Nz | 10 | 950 | 35 | 5 | 950 | 35 | 5 | 950 | 35 | 5 |
| Tz | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 876 |
| LPS installed: | Structure not | Structure not | Structure not | Structure not | Structure pro | Stri |
| Security measures | | | | | | | | | | |
| Physical damages: | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hospital, hot | Hosj |
| Internal systems: | Other parts o | Other parts o | Intensive car | Intensive car | Other parts o | Intensive car | Intensive car | Other parts o | Intensive car | Int |
| Type of surface: | Agricultural, | Asphalt, lino | Asphalt, lino | Asphalt, lino | Asphalt, line | Asphalt, lino | Asphalt, line | Asphalt, lino | Asphalt, lino | Aspl |
| Provisions taken: | | | | | | | | | | |
| Risk of fire / amount: | explosion / Z | explosion / Z | explosion / Z | explosion / Z | explosion / 2 | explosion / Z | explosion / Z | explosion / Z | explosion / Z | ехр: |
| Special hazard: | no special ha | Difficulty of | Dif: |
| Cultural value: | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 100 |
| Animals value: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Building value: | 0 | 7000000 | 2000000 | 1000000 | 70000000 | 2000000 | 1000000 | 70000000 | 2000000 | 100 - |
| < | | | | | | | | | | > |

Neste ecran e nos seguintes:

Entrar :

• Selecionar soluções a comparar

- Zonas de cada solução
- Linhas de serviços
- Visualização dos riscos da solução
- Riscos comparativos
- Custos comparativos

| File Project Reports Configuration | Help | | | | | | | | |
|------------------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---|
| | Select: | | | | | | | | |
| Names Risk Zones Service Line | s Compare Costs | Compare Risks | | | | | | | |
| | | 6 | Clear | Update | | | | | |
| Service: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ^ |
| Name : | Power origina | Telecom origi | Power SPD 1.5 | Telecom SPD 1 | Power SPD 3x | Telecom SPD 3 | Power SPD 2x | Telecom SPD 2 | |
| Installation: | Buried | Buried | Buried | Buried | Buried | Buried | Buried | Buried | |
| Line type: | HV power (wit | LV power, tel | HV power (wit | LV power, tel | HV power (wit | LV power, tel | HV power (wit | LV power, tel | |
| Environment: | Suburban | Suburban | Suburban | Suburban | Suburban | Suburban | Suburban | Suburban | |
| physical damage LF: | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | |
| failure of internal systems | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | Gas, water, | TV, telecommu | |
| External line type / Connec | Shielded buri | Shielded buri | Shielded buri | Shielded buri | Shielded buri | Shielded buri | Shielded buri | Shielded buri | |
| SPD: | No coordinate | No coordinate | Other, lower | |
| Type of internal wiring: | Unshielded ca | Unshielded ca | Unshielded ca | Unshielded ca | Unshielded ca | Unshielded ca | Unshielded ca | Unshielded ca | |
| Withstand voltage Uw: | 25 | 15 | 25 | 15 | 25 | 15 | 25 | 15 | |
| Protection level: | No SPD | No SPD | I | I | I | I | I | I | |
| PEB for "Better than I": | | | | | | | | | |
| Routing, shielding, bonding | Shielded aeri | Shielded aeri | Shielded aeri | Shielded aeri | Shielded aeri | Shielded aeri | Shielded aeri | Shielded aeri | |
| Line type: | Power line | Telecom line | Power line | Telecom line | Power line | Telecom line | Power line | Telecom line | |
| | | | | | | | | | |

Neste ecran e nos seguintes:

Entrar :

• Selecionar soluções a comparar

- Zonas de cada solução
- Linhas de serviços
- Visualização dos riscos da solução
- Riscos comparativos
- Custos comparativos



Relatorios : soluções 5

Neste ecran e nos seguintes:

Entrar:

•Selecionar soluções para comparação:

- •Zonas de cada solução
- •Linhas de serviços
- •Visualização dos riscos da solução
- •Riscos comparativos
- •Custos comparativos

| Set: Name Name Compare Casts Compare Casts Compare Casts Consert 1 - Organd, 2 - Solution A, 3 ·) Update | File Project Reports Configuration H | lelp | | Jupite | er NG 12 - en_hospi | pital_1204.j12 |
|--|--------------------------------------|---------------|---------------|----------------------|---------------------------|------------------------------|
| Name Reit Zones Beruce Line Compare Costs Compare Rais Solution: 1 2 3 4 | | Select: | | | | |
| Bottom: 1 2 3 4 Name: 0rognal Soluton A Soluton B Soluton C Exct (S) 0.00000 10000,0 10000,0 10000,0 messarez Sores (S): 0.00000 10000,0 16000,0 16000,0 total (S): 0.00000 10000,0 16000,0 10000,0 19500,0 25600,0 total (S): 1.71165,9 171165,9 171165,9 171165,9 171165,9 19500,0 19500, | Names Risk Zones Service Lines | Compare Costs | Compare Risks | | | |
| Solution: 1 2 3 4 Name: Original Solution A Solution B Solution C ExtLPS [§]: 0,00000 100000,0 100000,0 100000,0 measures Stores [§]: 0,00000 150000,0 160000,0 160000,0 total [§]: 0,00000 28000,0 156000,0 156000,0 Risk econ R4: 1,90E-3 3,01E-6 1,72E-4 2,54E-5 Cost loss [§]: 171196,9 171196,9 171196,9 171196,9 171196,9 Annual save [§]: 0,000000 142925,8 135923,0 139310,8 142925,8 135923,0 139310,8 | | | Se | lect Solutions to co | ompare: 1 - Original, 2 - | 2 - Solution A, 3 · • Update |
| Name: Original Solution A Solution B Solution C Ext EVS [\$]: 0,00000 10000,0 10000,0 10000,0 messures Sens [\$]: 0,00000 15000,0 56000,00 15000,0 15000,0 total [\$]: 0,00000 28000,0 15900,0 256000,0 110 E-5 110 E-5 Rak econ R4: 1,96E-3 3,01E-6 1,75E-4 2,54E-5 110 E-5 110 E-5 Cost los [\$]: 171195,9 171195,9 171195,9 171195,9 171195,9 171195,9 193310,8 x10 E-5 1x10 E-5 | Solution: | 1 | 2 | 3 | 4 | |
| bttlPS [\$]: 0,00000 10000,0 10000,0 10000,0 messures Servs [\$]: 0,00000 15000,0 5000,0 16000,0 total [\$]: 0,00000 15000,0 16000,0 16000,0 Risk econ R4: 1,96E-3 3,01E-6 1,77E-4 2,54E-5 Cost loss [\$]: 171196,9 171196,9 171196,9 171196,9 Annual cost [\$]: 0,00000 1299393 139330,82 Annual cost [\$]: 0,00000 129925,8 139523,0 139310,82 Copy Copy Copy Copy Copy Copy | Name: | Original | Solution A | Solution B | Solution C | Annual savings |
| measures Servs [\$]: 0,00000 3000,00 45000,00 36000,00 measures Zones [\$]: 0,00000 20000,0 150000,0 150000,0 total [\$]: 0,00000 20000,0 195000,0 296000,0 Risk econ R4: 1,90E-3 3,01E-6 1,75E-4 2,54E-5 Cottoss [\$]: 171196,9 171196,9 171196,9 171196,9 Annual cost [\$]: 0,00000 27999,99 19499,99 29599,99 Annual cost [\$]: 0,00000 27999,99 19499,199 2959,99 Annual cost [\$]: 0,00000 27999,99 19499,199 2950,000 Annual cost [\$]: 0,00000 12925,8 142.92,84 Annual cost [\$]: 0,00000 142.92,84 141.92,84 Annual cost [\$]: 0,00000 12.92,94 141.92,94 Annual cost [\$]: 0,00000 | Ext LPS [\$]: | 0,000000 | 100000,0 | 100000,0 | 100000,0 | 1 x10 E+5 |
| measures Zones [§]: 0,00000 15000,0 16000,0 total [§]: 0,00000 28000,0 19500,0 26600,0 Risk econ R4: 1,90E-3 3,01E-6 1,73E-4 2,54E-5 Cost loss [§]: 171196,9 171196,9 171196,9 171196,9 Annual cost [§]: 0,00000 27999,99 19499,99 2599,99 Annual save [§]: 0,00000 12925,8 135923,0 139310,8 Copy True E4 3x10 E4 3x10 E4 1 1 2 3 1 | measures Servs [\$]: | 0,000000 | 30000,00 | 45000,00 | 36000,00 | 1 x10 E+5 |
| total [\$]: 0,00000 28000,0 19500,0 29600,0 Risk con R4: 1,90E-3 3,0IE-6 1,75E-4 2,54E-5 Cost loss [\$]: 171196,9 171196,9 171196,9 171196,9 Annual cost [\$]: 0,00000 27999,99 19499,99 29599,99 Annual save [\$]: 0,00000 142925,8 139310,8 > > > Copy > > > > Copy > > > > Copy > | measures Zones [\$]: | 0,000000 | 150000,0 | 50000,00 | 160000,0 | 1 x10 E+5 |
| Risk conn R4: 1,90E-3 3,01E-6 1,7E-4 2,54E-5 Cost Loss [5]: 171196,9 171196,9 171196,9 171196,9 Annual cost [5]: 0,00000 27999,99 19499,99 2999,99 Annual cost [5]: 0,00000 12425,8 139310,8 Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy <td>total [\$]:</td> <td>0,000000</td> <td>280000,0</td> <td>195000,0</td> <td>296000,0</td> <td>1 x10 E+5</td> | total [\$]: | 0,000000 | 280000,0 | 195000,0 | 296000,0 | 1 x10 E+5 |
| Nisk econ R4: 1,90E-3 3,01E-6 1,75E-4 2,54E-5 Cost loss [§]: 171196,9 171196,9 171196,9 171196,9 Reid loss [§]: 0,000000 27999,99 19499,99 29599,99 Annual cost [§]: 0,000000 149225,8 135923,0 139310,8 Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy | | | | | | 1 x 10 E45 |
| Cost loss [\$]: 171196,9 171196,9 171196,9 171196,9 Read loss [\$]: 171196,9 271,0585 15773,83 2286,085 Annual cost [\$]: 0,00000 12925,8 135923,0 139310,8 x10 E44 % 10 E44 % 10 E44 6 0,00000 142925,8 135923,0 139310,8 x10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 % 10 E44 <td>Risk econ R4:</td> <td>1,90E-3</td> <td>3,01E-6</td> <td>1,75E-4</td> <td>2,54E-5</td> <td></td> | Risk econ R4: | 1,90E-3 | 3,01E-6 | 1,75E-4 | 2,54E-5 | |
| Resid loss [\$]: 171196,9 271,0585 15773,83 2286,085 Annual cost [\$]: 0,00000 27999,99 19499,99 29599,99 Annual save [\$]: 0,00000 142925,8 135923,0 139310,8 c > > > Copy Copy > > > Copy Copy Still E+4 7 x10 E+4 1 x10 E+4 1 x10 E+4 1 x10 E+4 1 x10 E+4 1 x10 E+4 1 1 2 3 | Cost loss [\$]: | 171196,9 | 171196,9 | 171196,9 | 171196,9 | 9 X10 E+4 |
| Annual cost [\$]: 0,00000 27999,99 19499,99 29599,99 Annual save [\$]: 0,00000 142925,8 135923,0 139310,8 Copy Copy Copy Copy Copy Copy Copy Copy | Resid loss [\$]: | 171196,9 | 271,0585 | 15773,83 | 2286,085 | 8 x10 E+4 |
| Annual save [\$]: 0,00000 142925,8 135923,0 139310,8 Copy Copy Copy Copy Copy Copy Copy Copy | Annual cost [\$]: | 0,000000 | 27999,99 | 19499,99 | 29599,99 | 7 x10 E+4 |
| Copy Copy Copy Copy Copy Copy Copy Copy | Annual save [\$]: | 0,000000 | 142925,8 | 135923,0 | 139310,8 | 6 x 10 E+4 |
| Copy 4 x10 E-4 3 x10 E-4 3 x10 E-4 2 x10 E-4 1 x10 E-4 0 x10 E-0 1 2 3 Copy | < | | | | > | 5 x10 E+4 |
| 3 x10 E+4 2 x10 E+4 1 x10 E+4 0 x10 E+0 1 2 3 Copy | | Conv | 1 | | | 4 x10 E+4 |
| 2 x10 E+4 1 x10 E+4 0 x10 E+0 1 2 3 Copy | | , | 5 | | | 3 x10 E+4 |
| 1 x10 E+4 0 x10 E+0 1 2 3 Copy | | | | | | 2 x10 E+4 |
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