

Croon Elektrotechniek B.V.

Infra

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Infra Provider Coentunnel-tracé

Faalkansanalyse Uitvoerings Ontwerp DI 45 - Afsluitbomen

RAMS - analyse (reliability, availability, maint., safety) Croon

Gewaarmerkt door Document Control

COTTAGE THE GOOT	Doddiniene doniele	Status	Naam	Datum	Paraaf
Document id:	003814140	Opgesteld:	Greeve, J.	11-10-12	36
SBS/PBS:	C-V-40-45	Gecontroleerd:	Groot, E. de	11-10-12	566
WBS:	1.7.0445	Akkoord:	Wijk, M.H.J. van	11-10-12	1
Versie:	Α	Definitief:	Laumen, J.M.	11-10-12	adella
Datum:	21-02-2012	Vrijgegeven:	Dam, P.W.K. van	11-10-12	1

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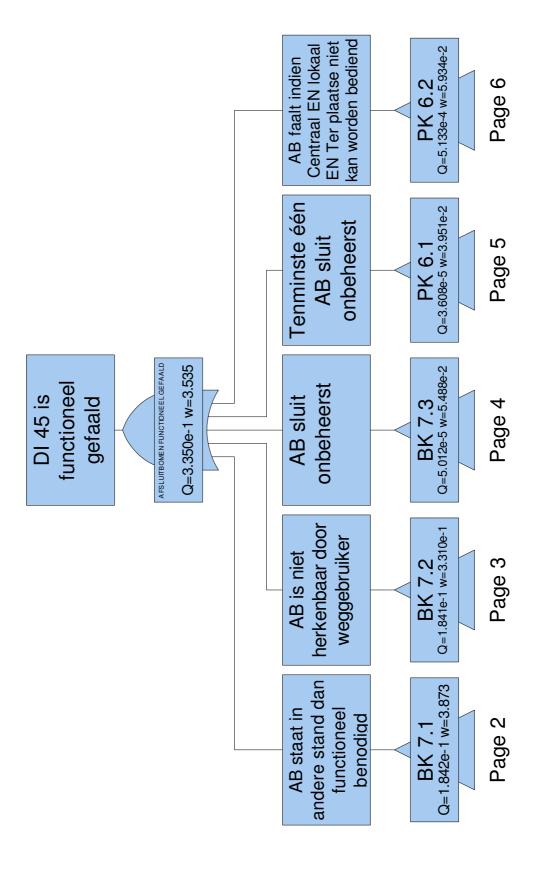
Faalkansanalyse Uitvoering Ontwerp DI 45 - Afsluitbomen

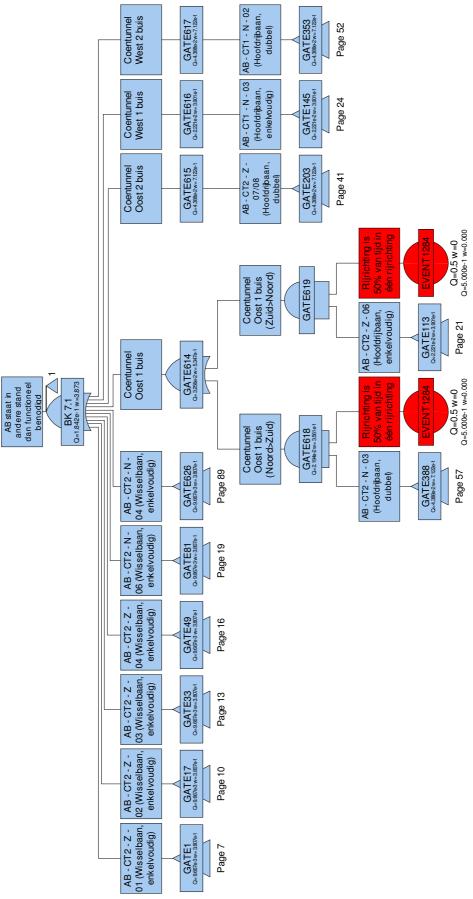
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1 Document wijzigingmatrix

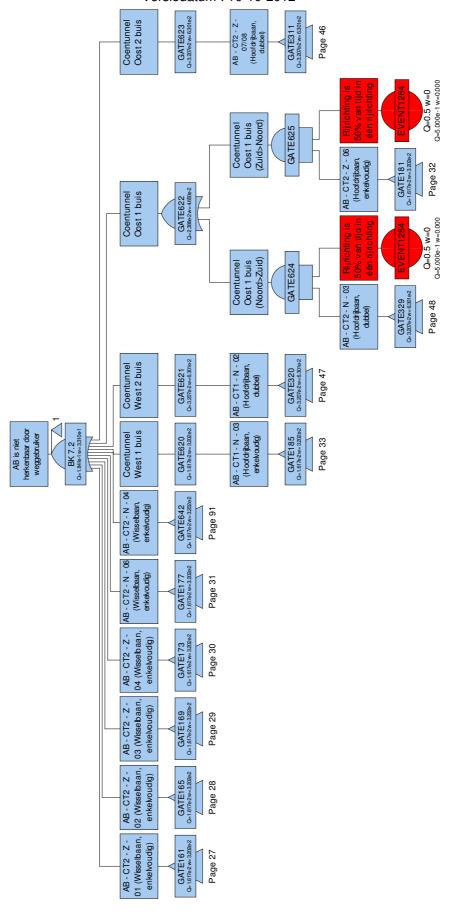
Versie	Beschrijving wijziging	Reden wijziging	impact verandering	
			klein	groot
A1	Initiële opzet			
A2	Wijzigingen n.a.v. update FMECA bij leverancier Heintzmann	Review		х
A3	Wijzigingen in objectlokaties n.a.v. review engineer Croon (Edwin de Groot)	Review	X	
А	Status naar definitief			

Croon Elektrotechniek B.V. 2 (2)





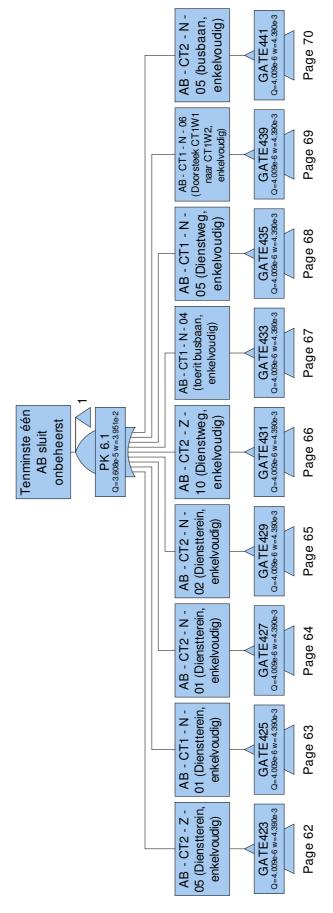
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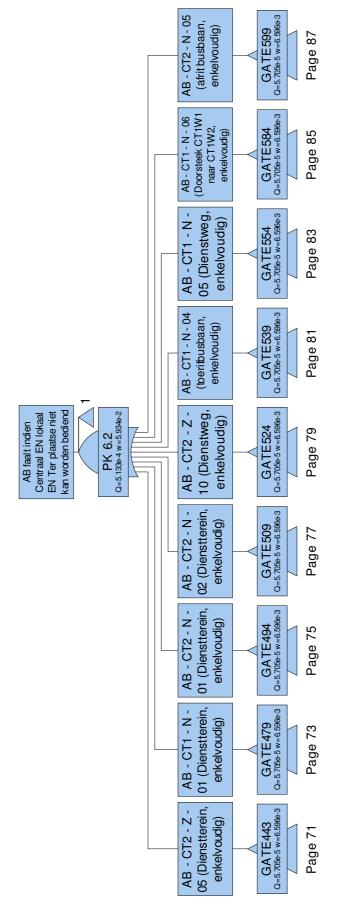
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Versie: A Versiedatum: 10-10-2012 Coentunnel West 2 AB - CT1 - N - 0 (Hoofdrijbaan, dubbel) GATE343 Q=8019e-6w=8.780e3 GATE649 Page 50 AB - CT1 - N - 03 (Hoofdrijbaan, enkelvoudig) GATE201 Q=4,009e-6w=4,390e-3 Coentunnel West 1 GATE648 Page 40 AB - CT2 - Z -07/08 (Hoofdrijbaan, dubbel) GATE338 Q=8.019e6 w= 8.780e3 Coentunnel Oost 2 GATE647 Page 49 Coentunnel Oost 1 (Zuid>Noord) GATE651 AB - CT2 - Z - 06 (Hoofdrijbaan, enkelvoudig) GATE199 Q=4,008e6 w= 4,390e3 Page 39 GATE646 Q=6014e6w=6585e3 Coentunnel Oost 1 Q=0.5 w=0 Q=5.000e-1 w=0.000 BK 7.3 Q=5012e5w=548e2 AB sluit onbeheerst Oost 1 (Noord>Zuid) Coentunnel GATE650 AB - CT2 - N - 03 (Hoofdrijbaan, dubbel) GATE348 Q=8.019e6 w= 8.780e3 GATE652 Q=4000e6 w=4390e3 AB - CT2 - N - AB - CT2 - N -04 (Wisselbaan, Page 51 enkelvoudig) Page 92 enkelvoudig) 06 (Wisselbaan, GATE197 Q=4.009e6 w= 4.390e3 Page 38 AB - CT2 - Z -04 (Wisselbaan, GATE195 Q=4,009e6 w= 4,390e3 enkelvoudig) Page 37 AB - CT2 - Z -03 (Wisselbaan, GATE193 Q=4.00966 w= 4.390e3 enkelvoudig) Page 36 AB - CT2 - Z -02 (Wisselbaan, GATE191 Q=4.009e6 w=4.390e3 enkelvoudig) Page 35 AB - CT2 - Z -01 (Wisselbaan, enkelvoudig) GATE189 Q=4.009e6 w=4.300e3 Page 34

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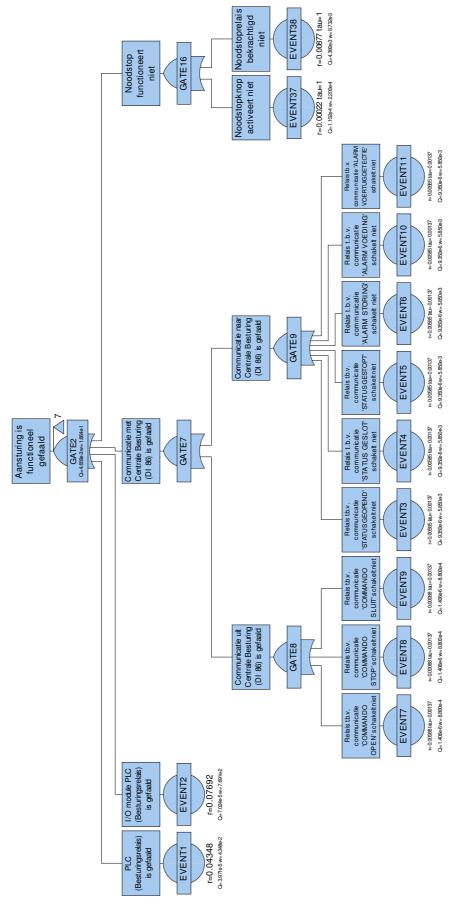
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Versie: A Versiedatum: 10-10-2012 Hoofdschakelaar schakelt spontaan EVENT39 Voedingsbbk 230V/24V valt uit EVENT26 Lusdetector valt uit EVENT36 Detectielus is gefaald EVENT35 Foutieve standmelding Foutieve standmelding GATE15 Foutieve standmelding 0 graden EVENT32 Standmelding is functioneel gefaald GATE5 Standmelding 90 graden valt r=0.00047 Q=4.292e-7w=4.700e-4 EVENT31 Standmelding Geen standmelding GATE14 90 85 -Standmelding 0 graden valt EVENT29 Lekkage langs Hydraulische Hydraulische cilinder is vastgelopen Hydroaggregaat is functioneel gefaald

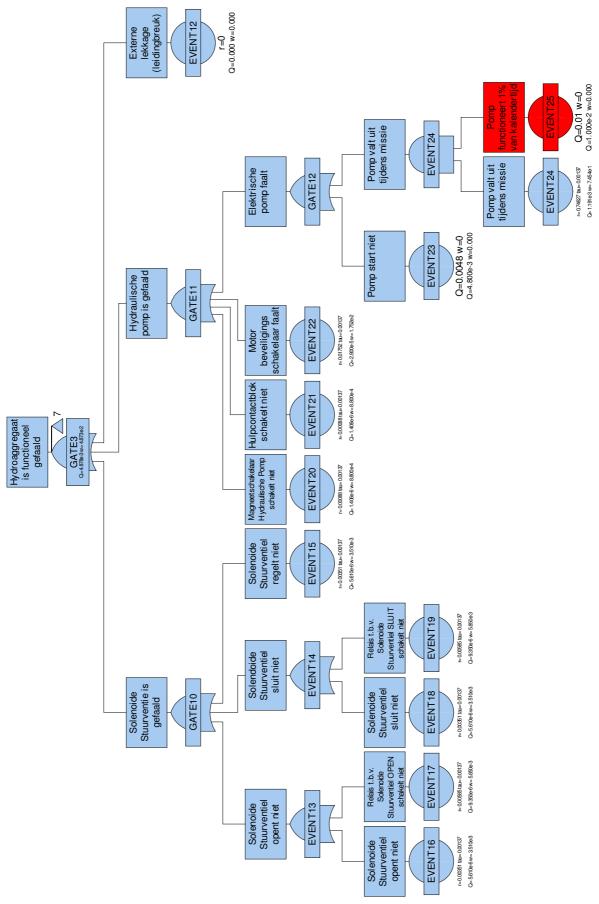
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GATE2 Q=4,6993 w= 1,664 / Page 8

Aansturing is functioneel gefaald

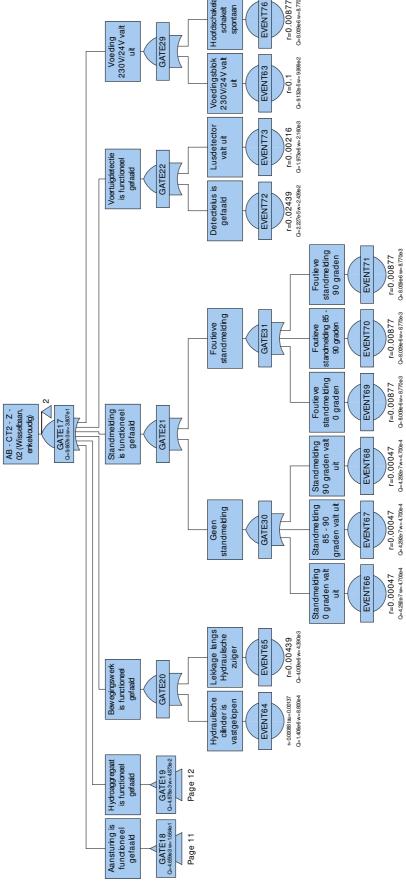


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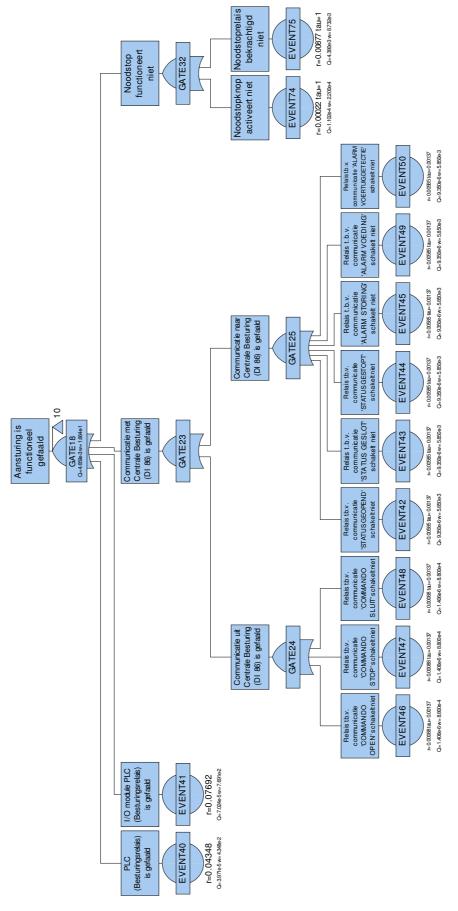


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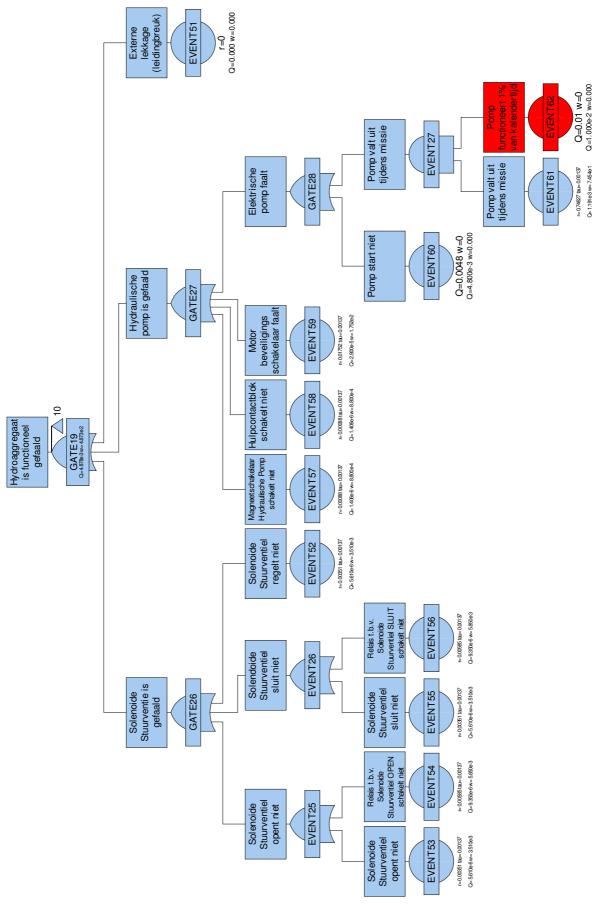
Versie: A Versiedatum: 10-10-2012 Hoofdschakelaar schakelt spontaan EVENT76



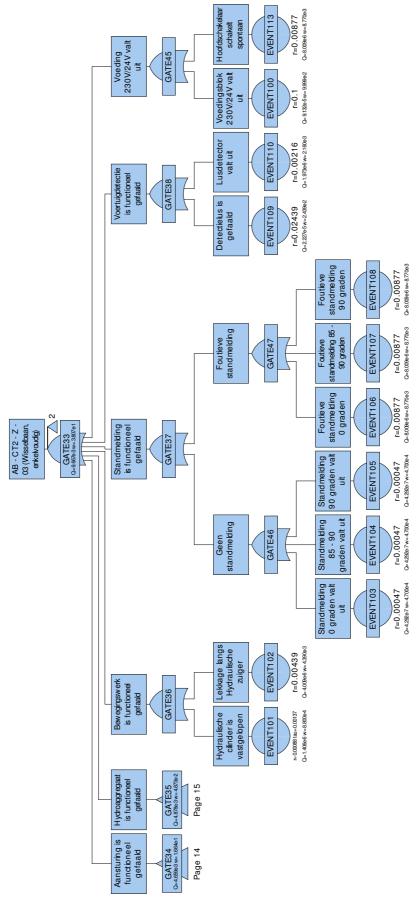
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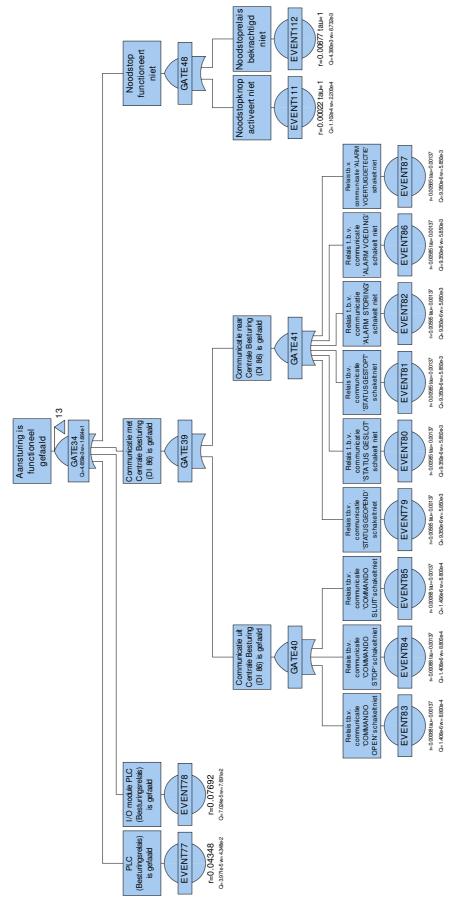
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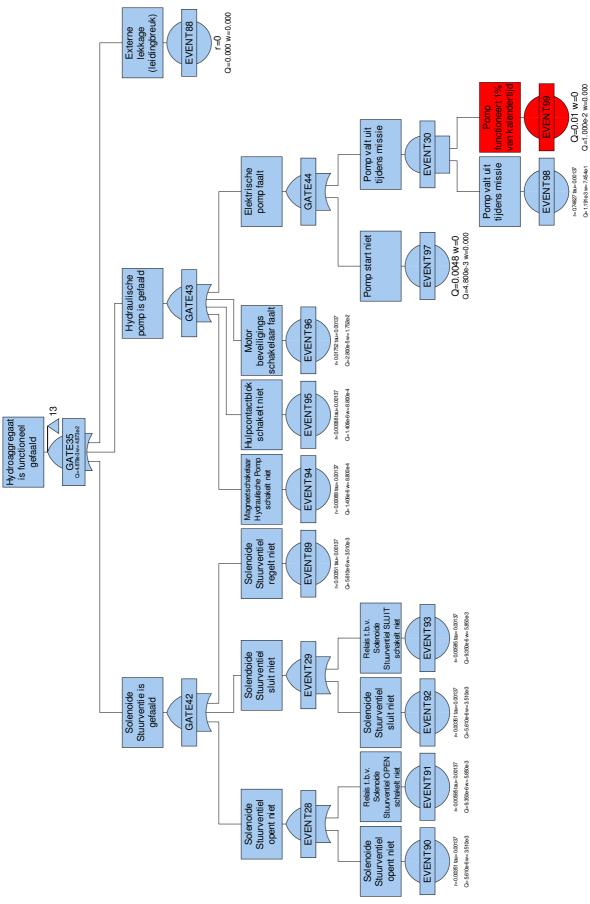
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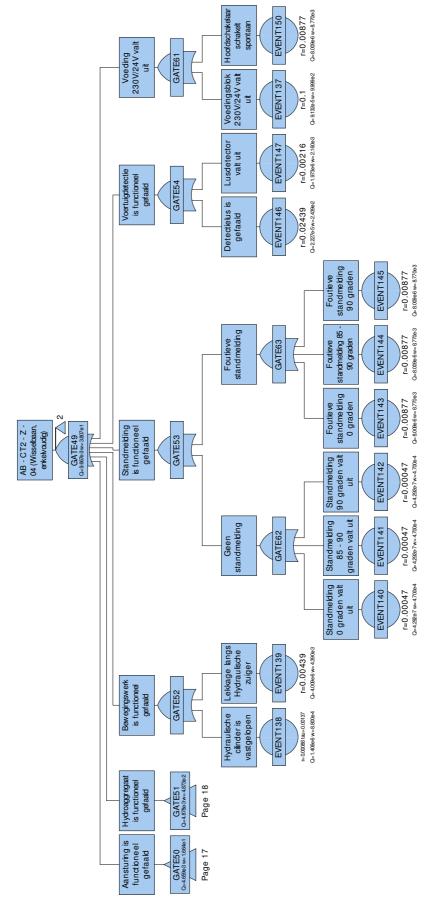
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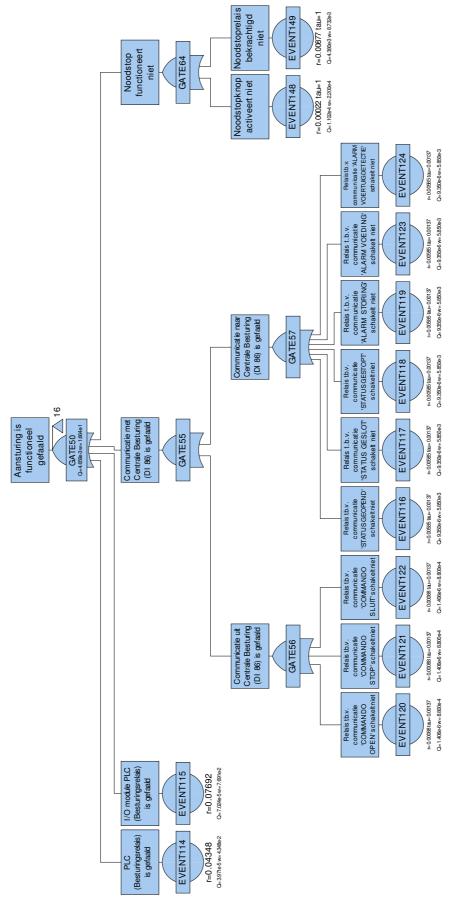
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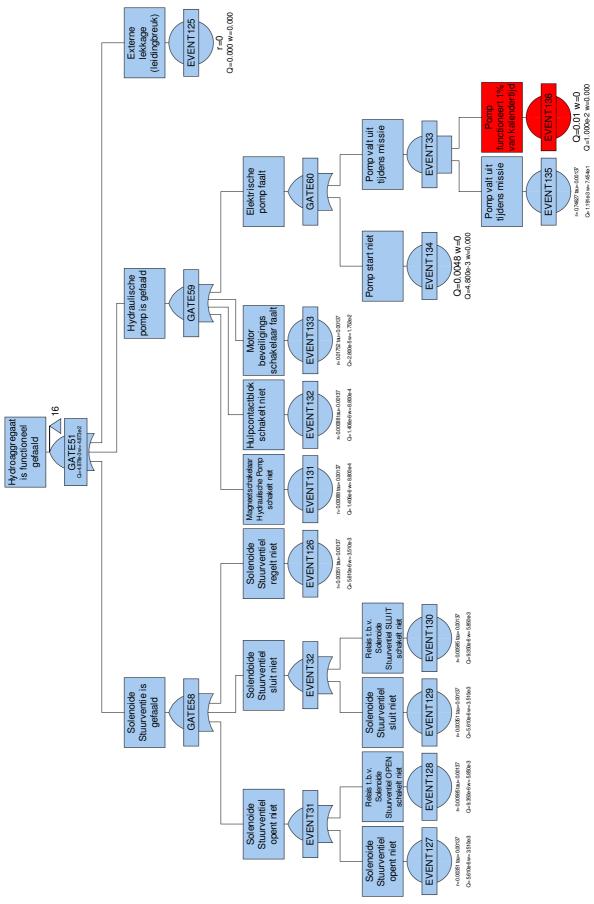
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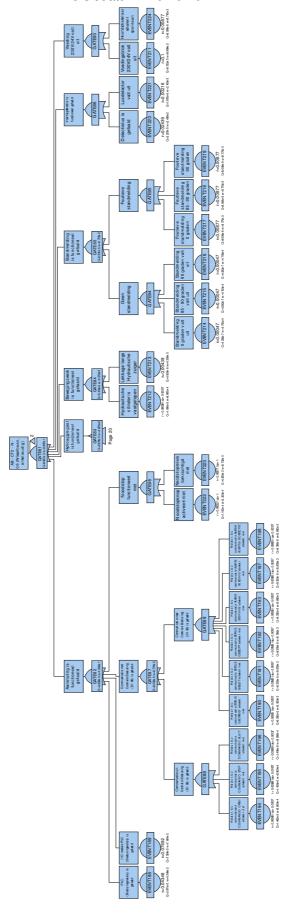


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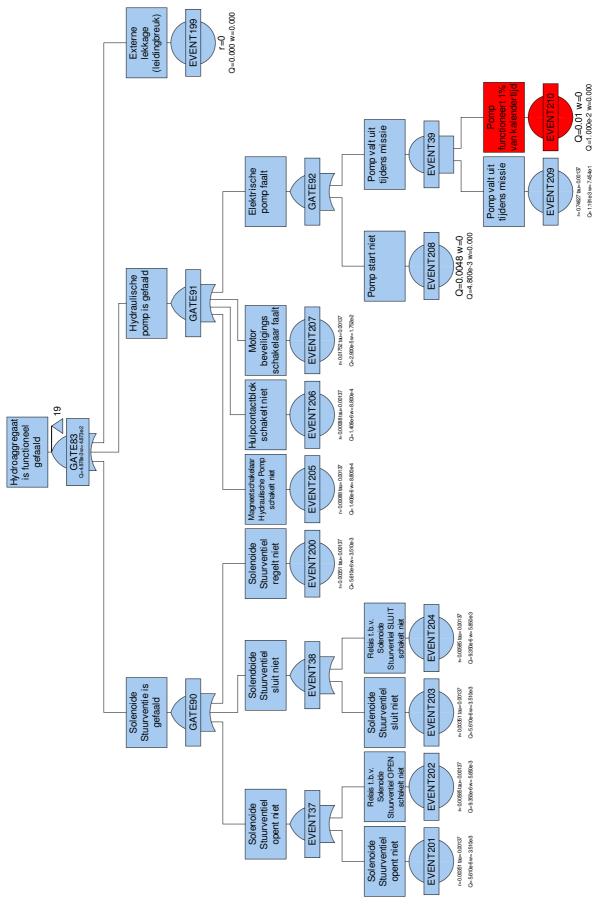


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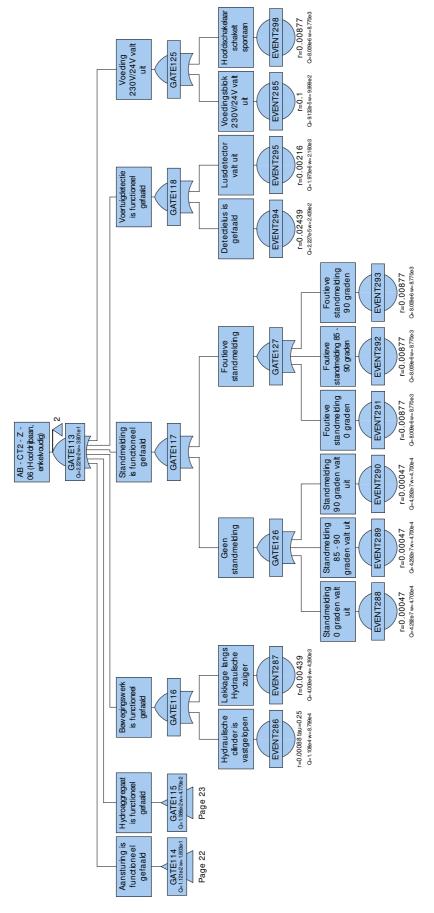
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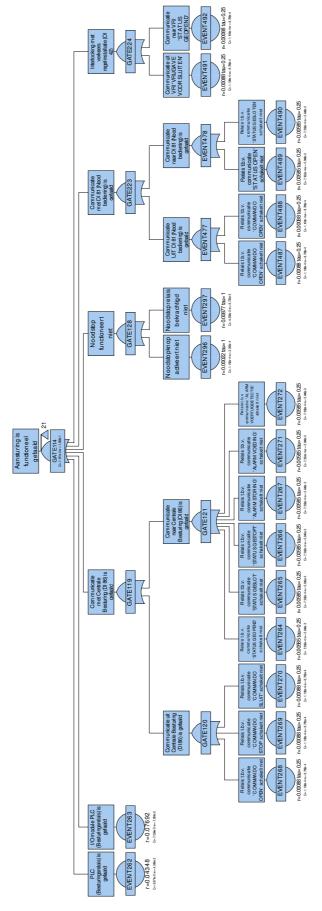


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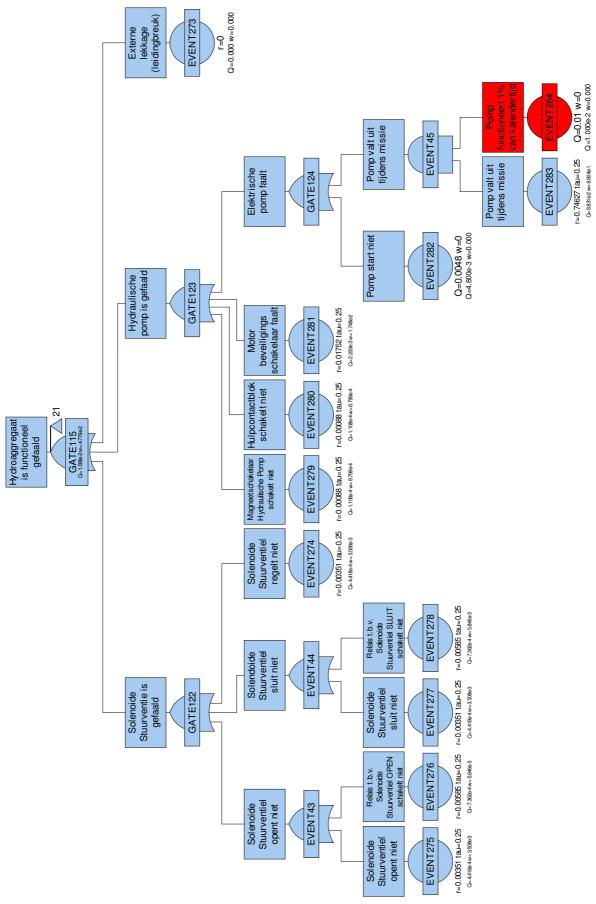


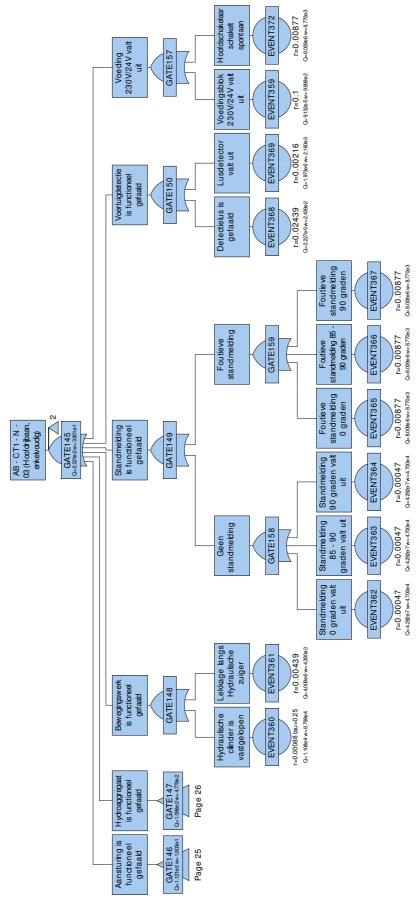
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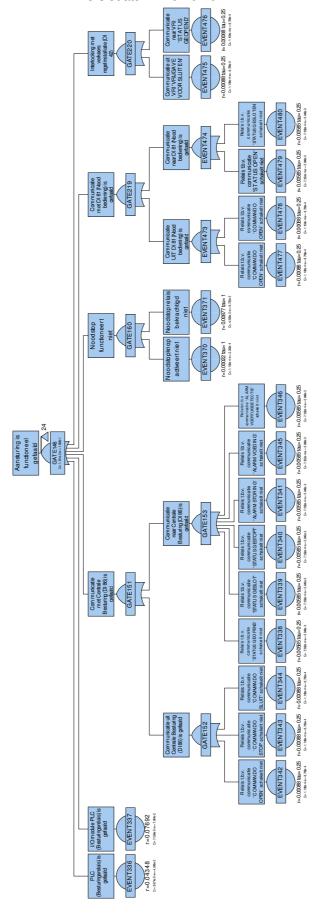
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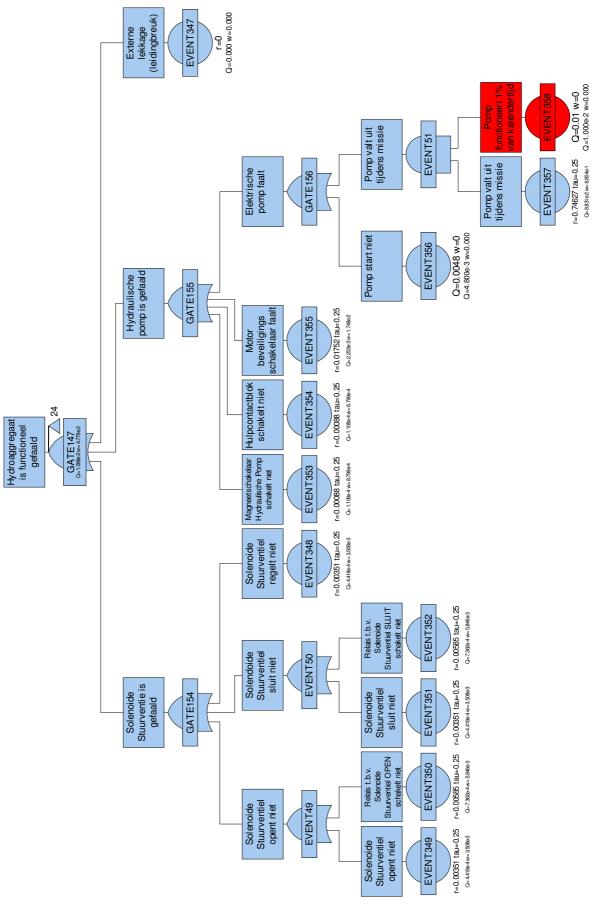


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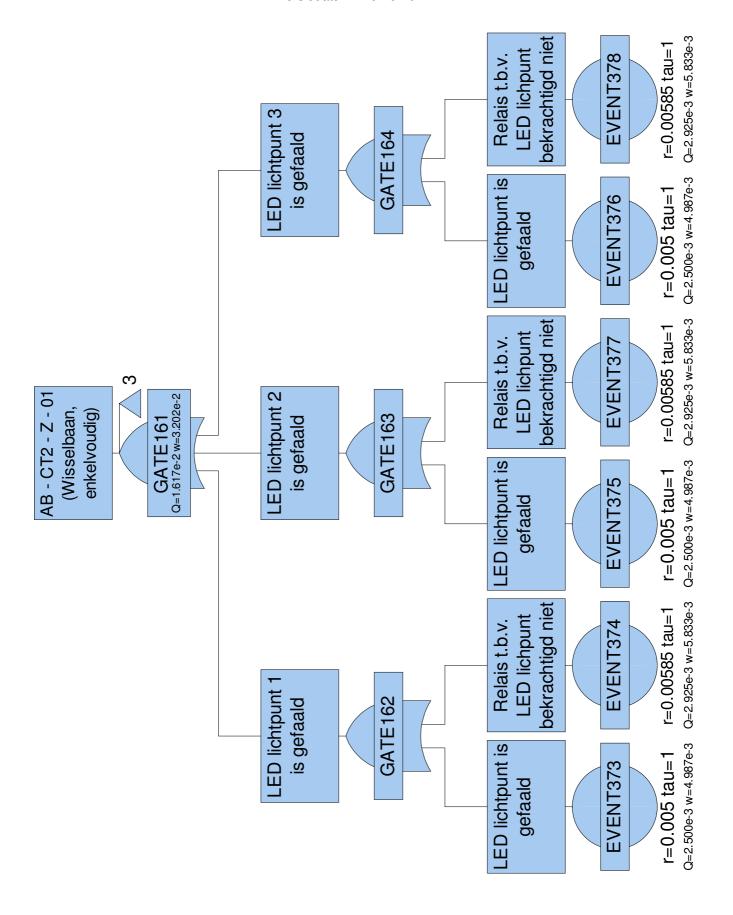


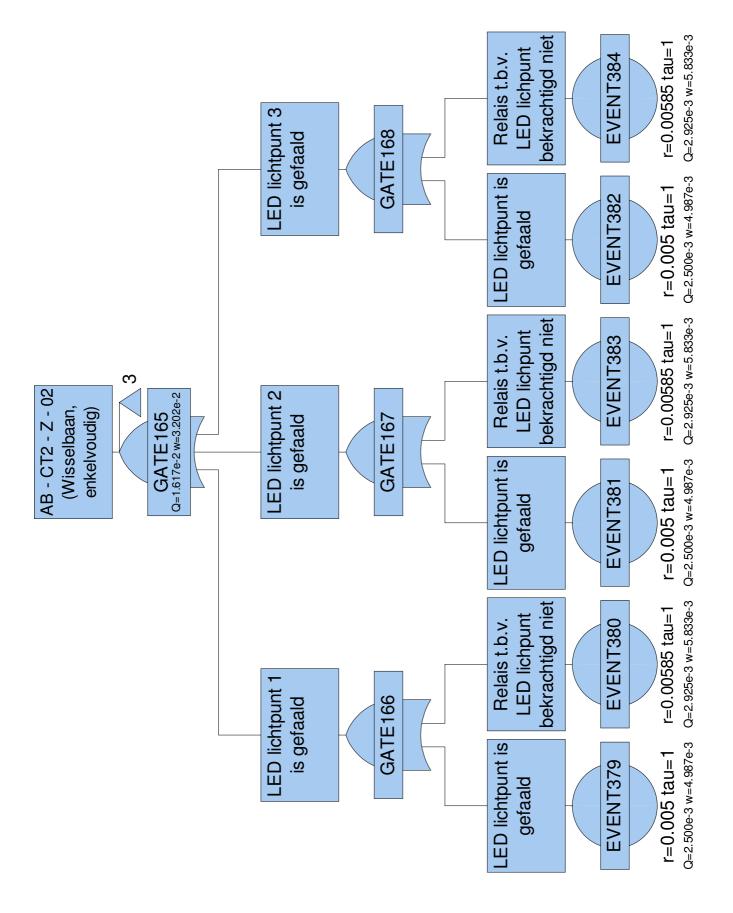
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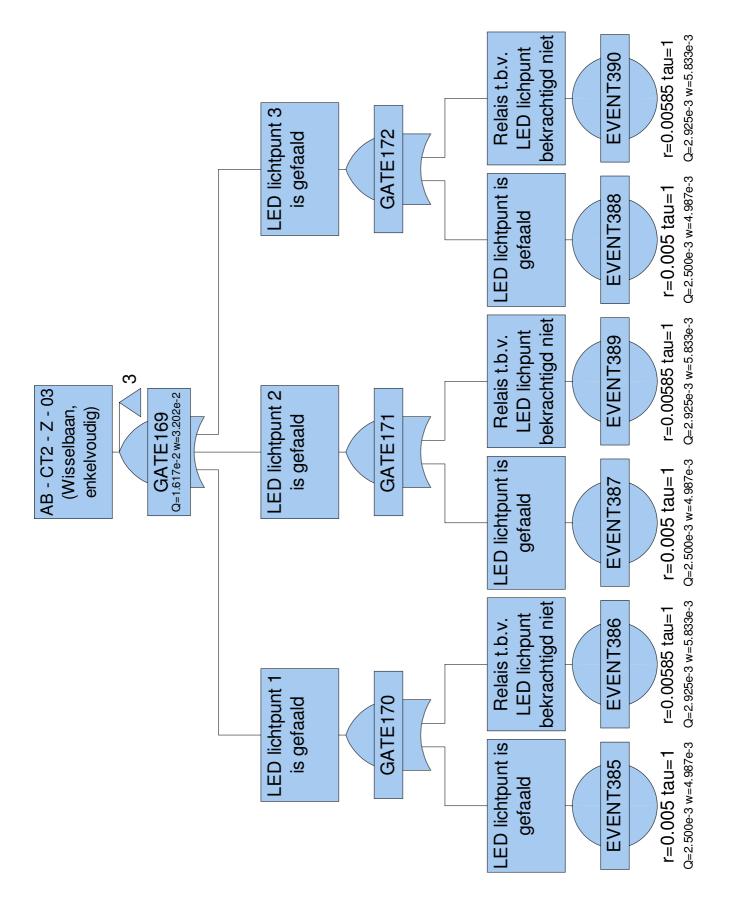


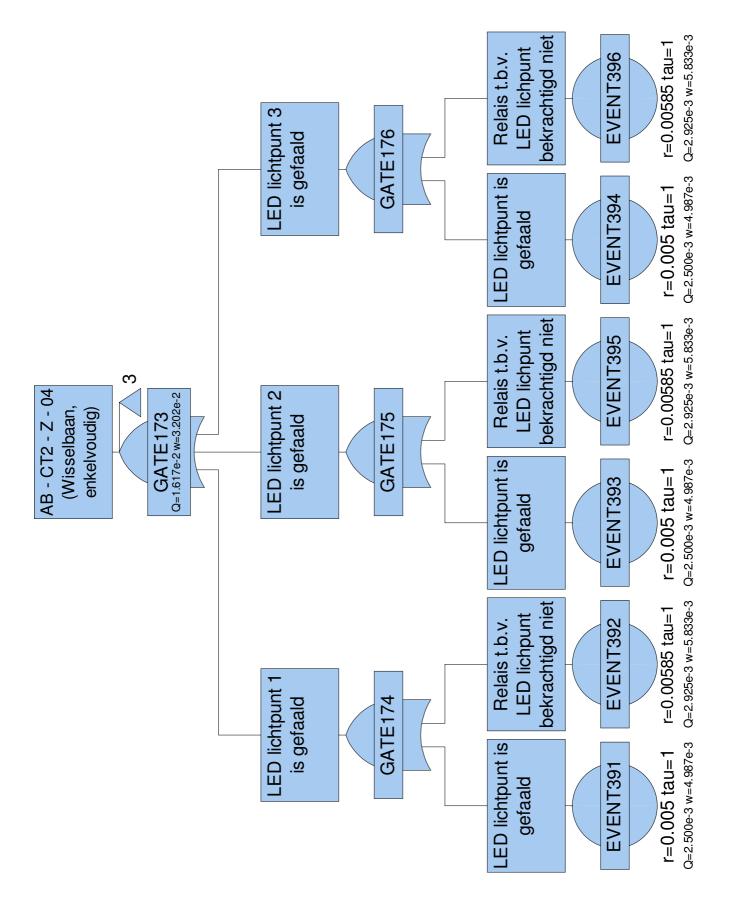
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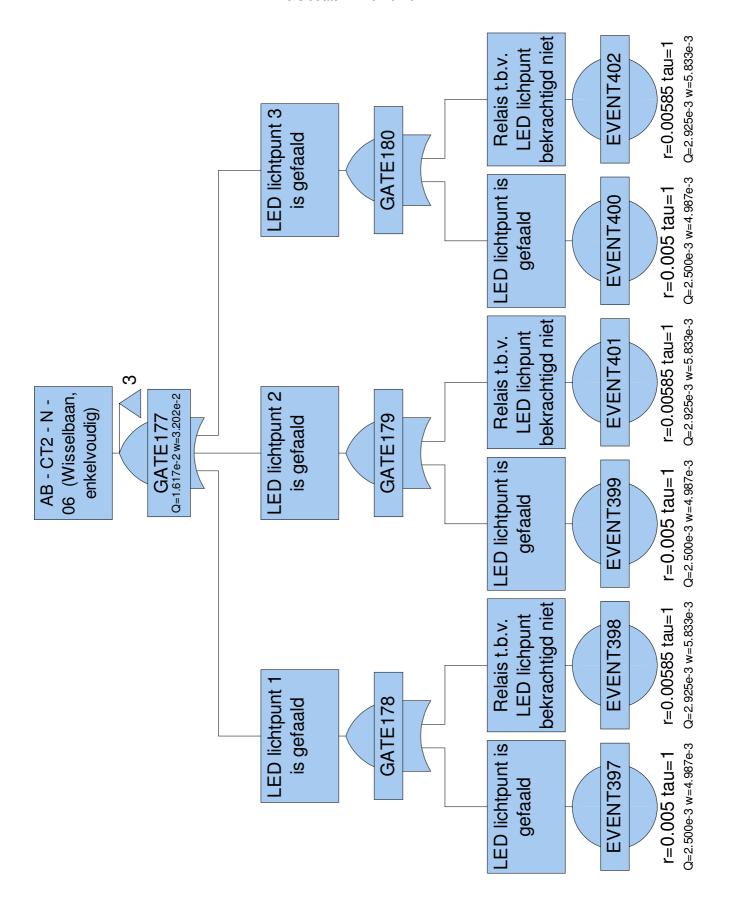


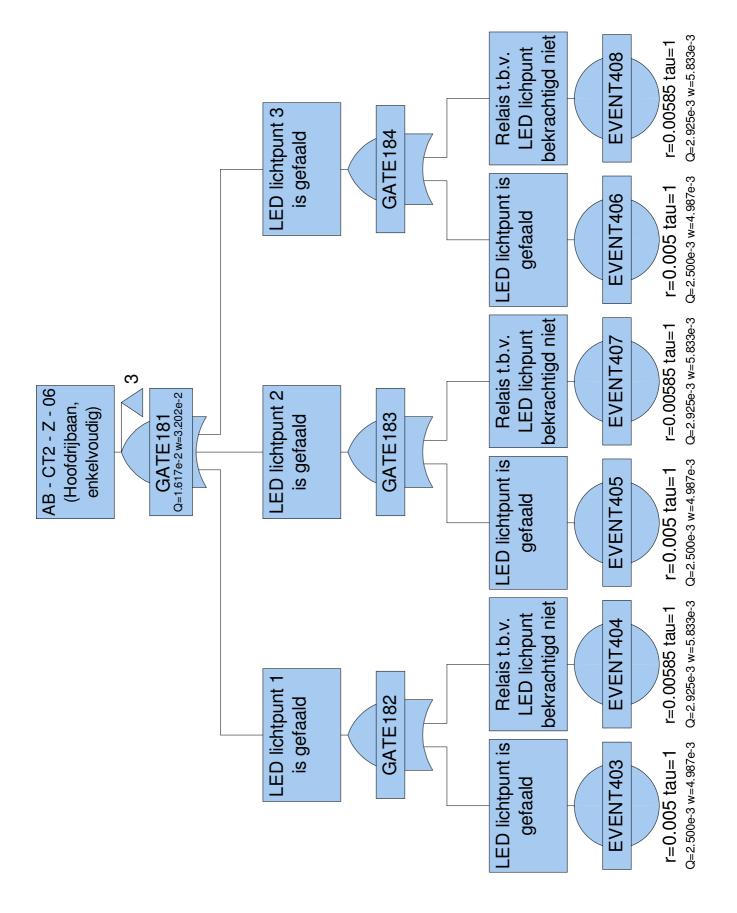


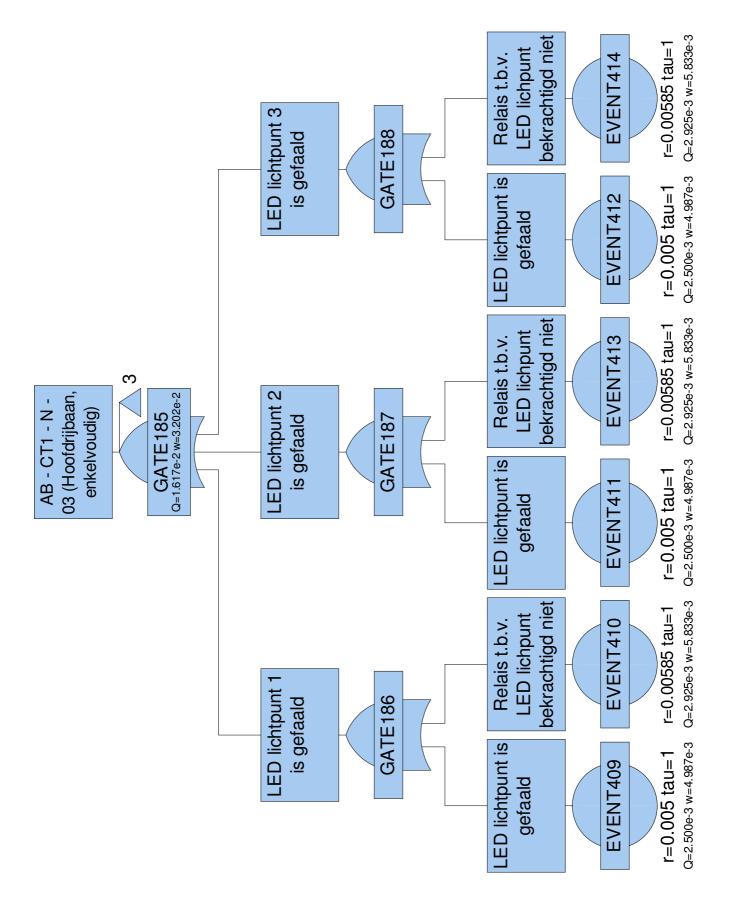


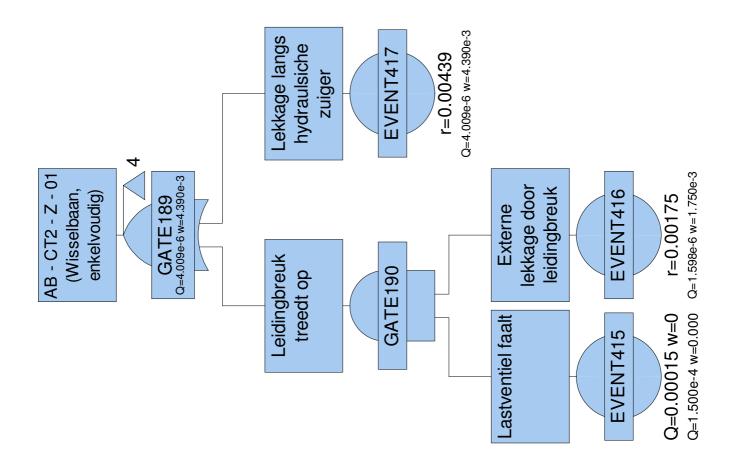
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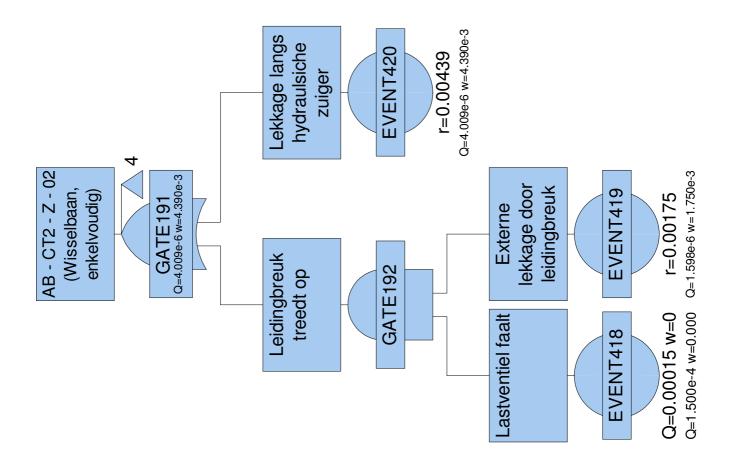
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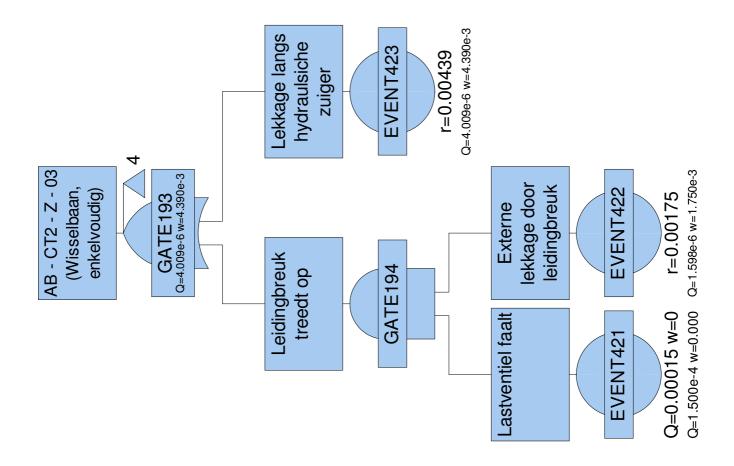


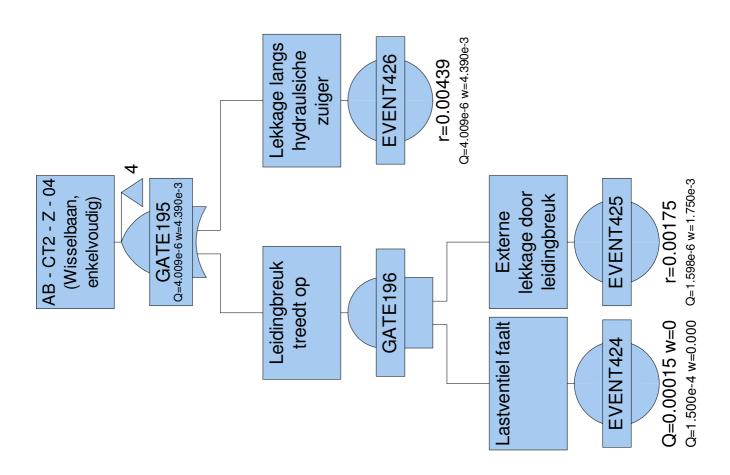


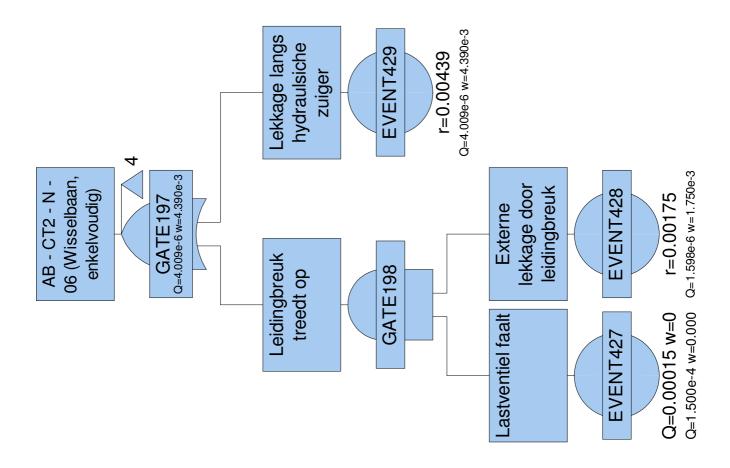


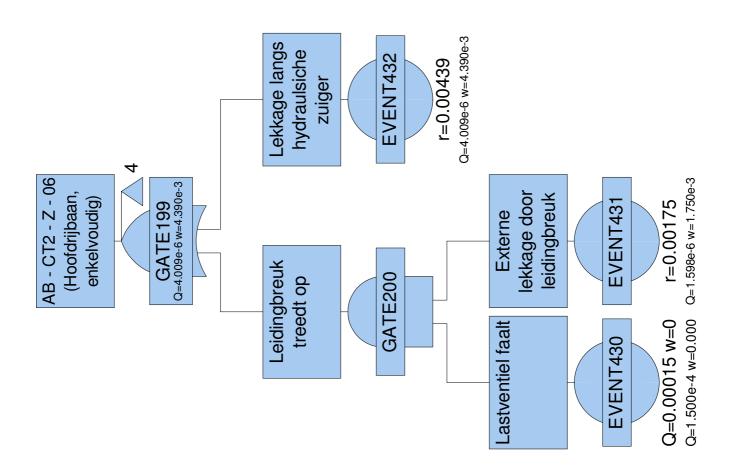


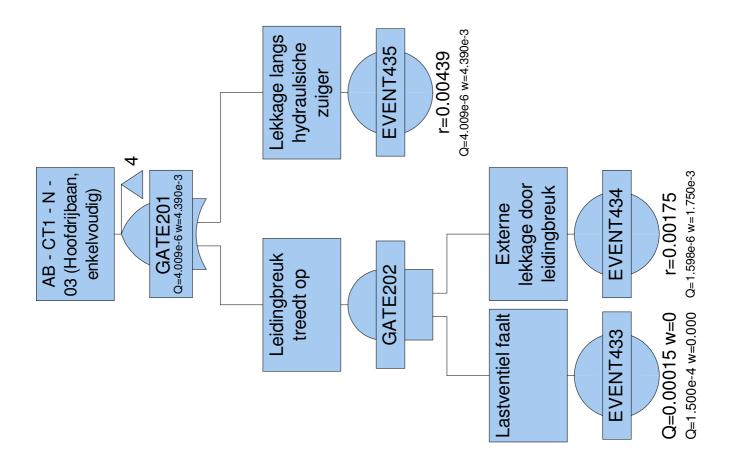


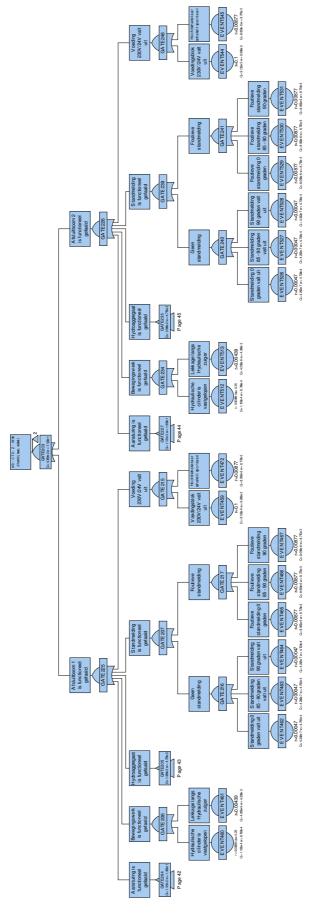




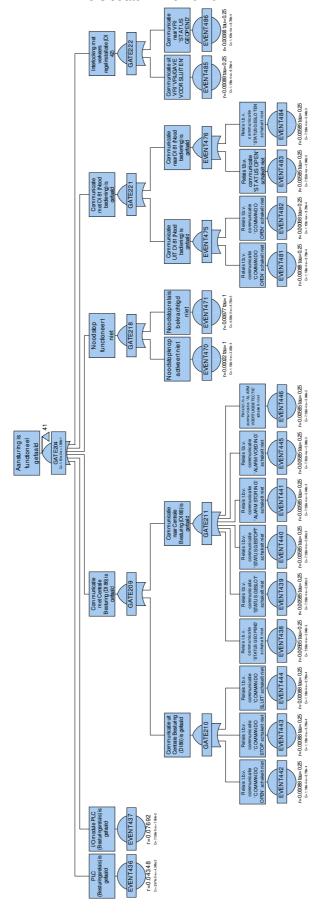






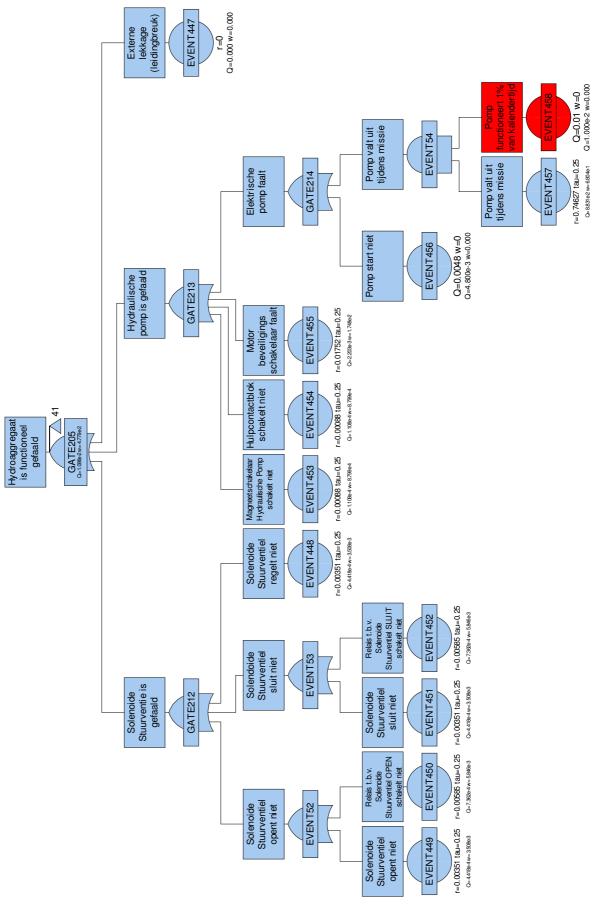


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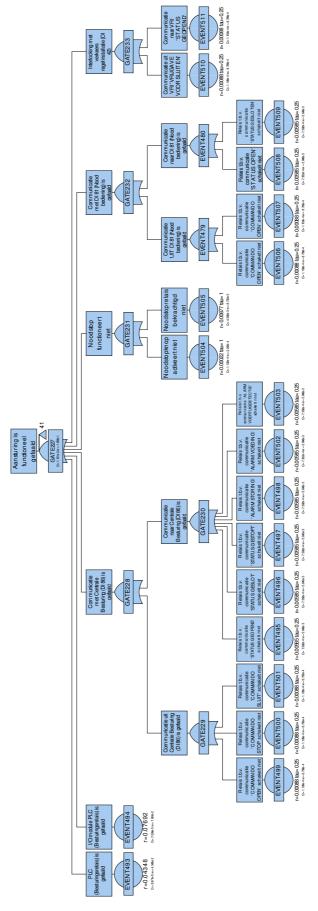


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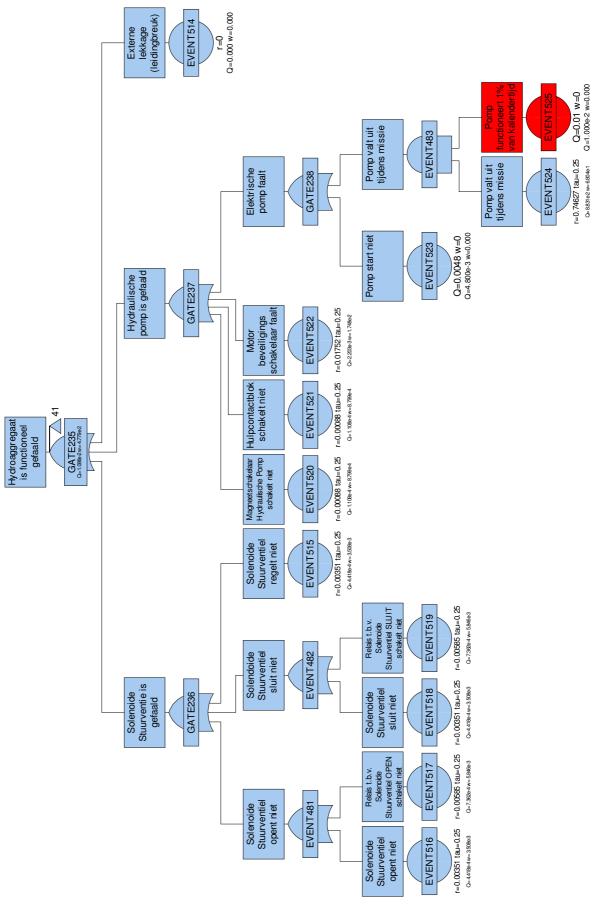


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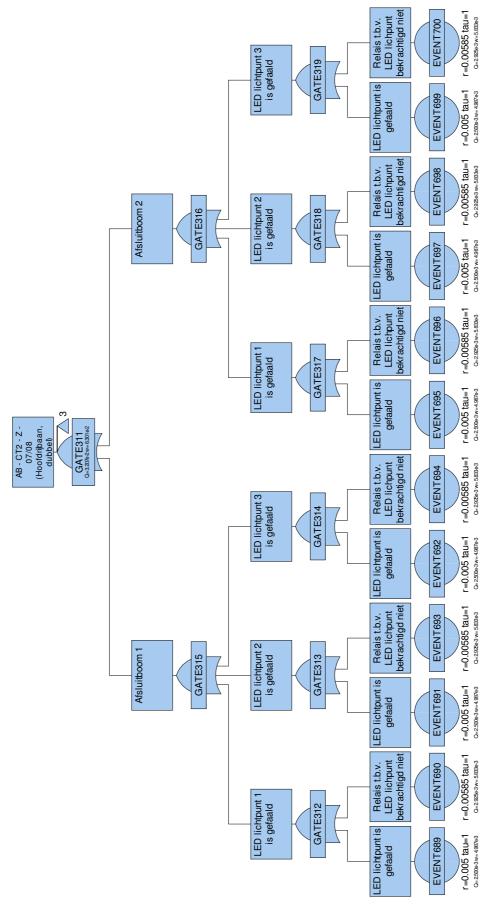
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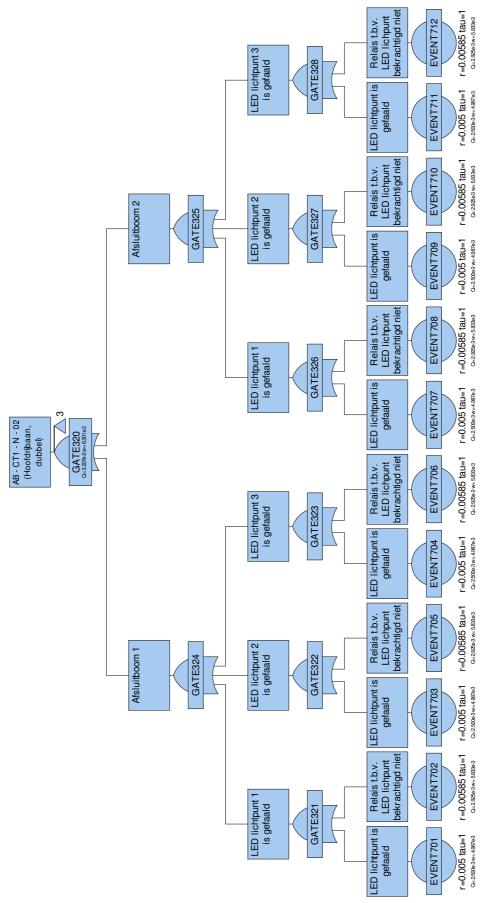


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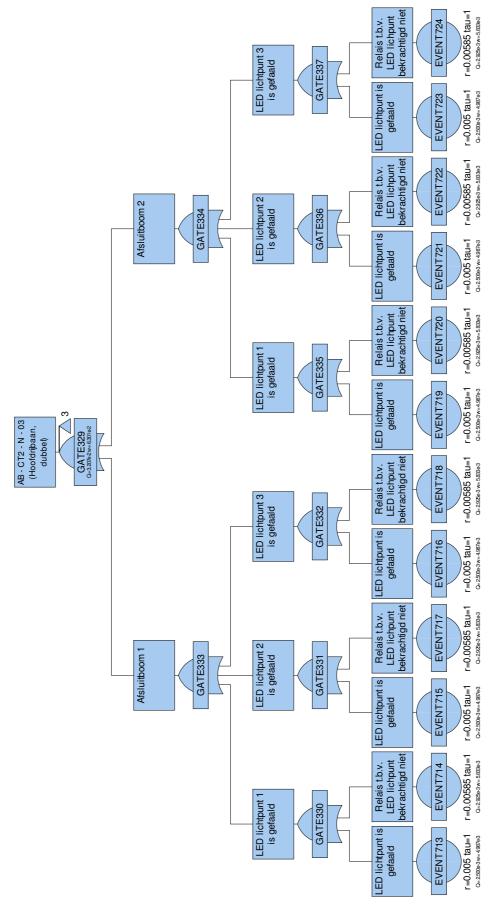
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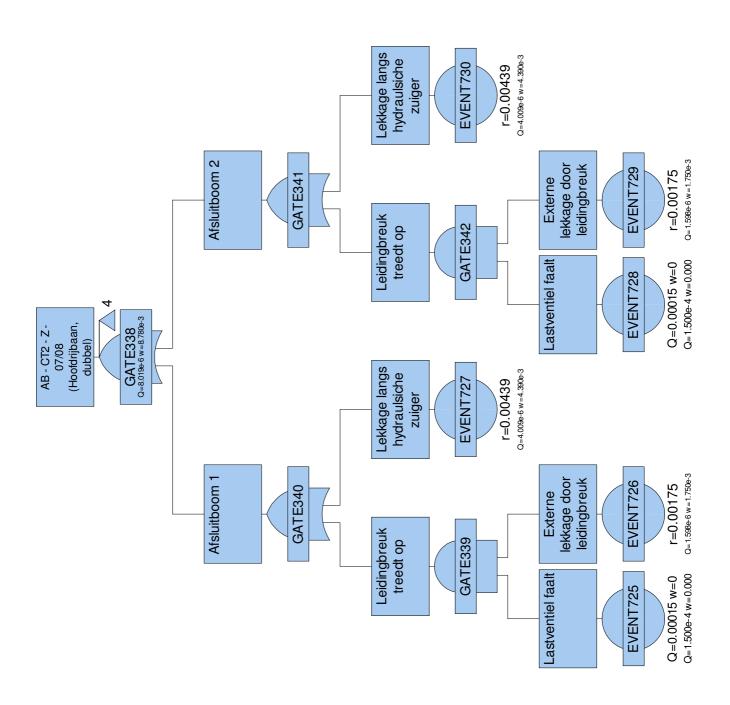


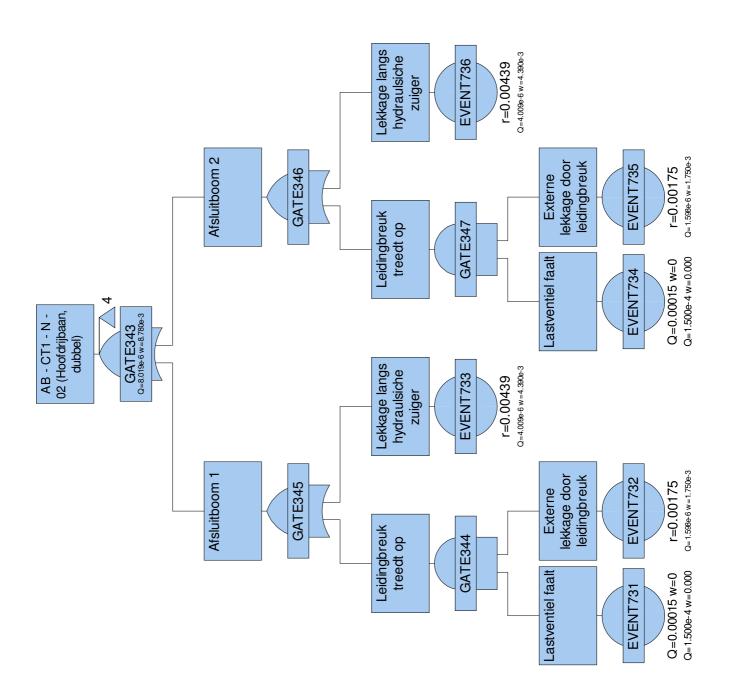
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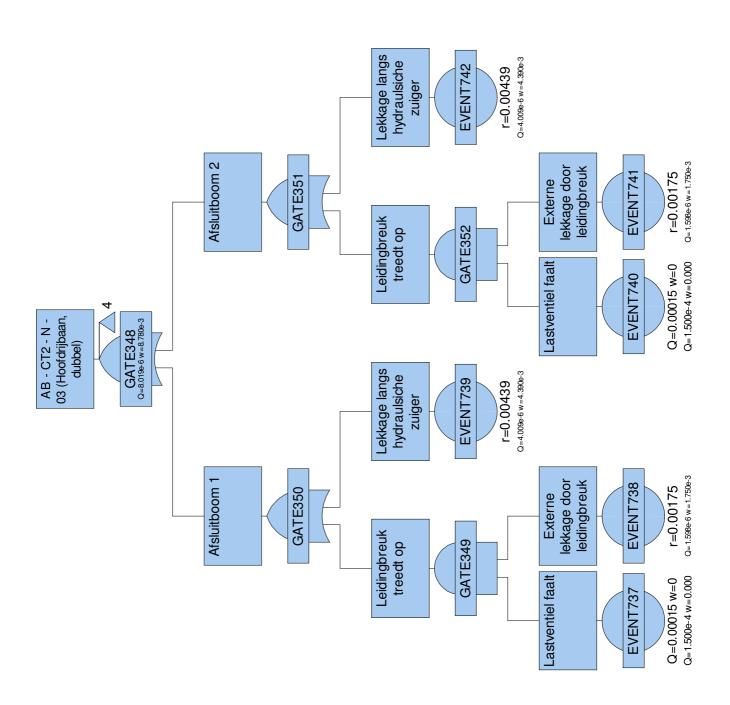


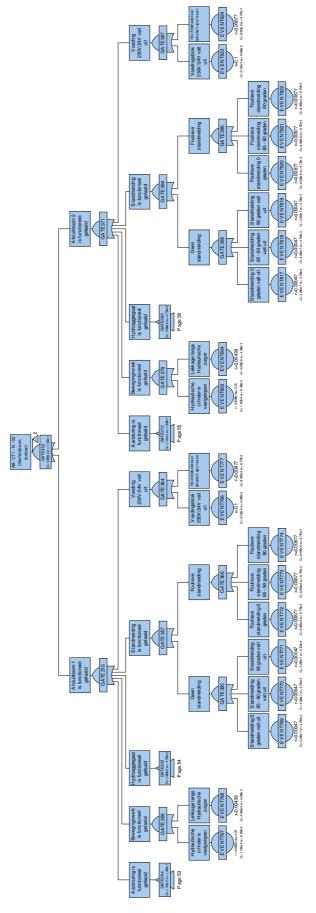
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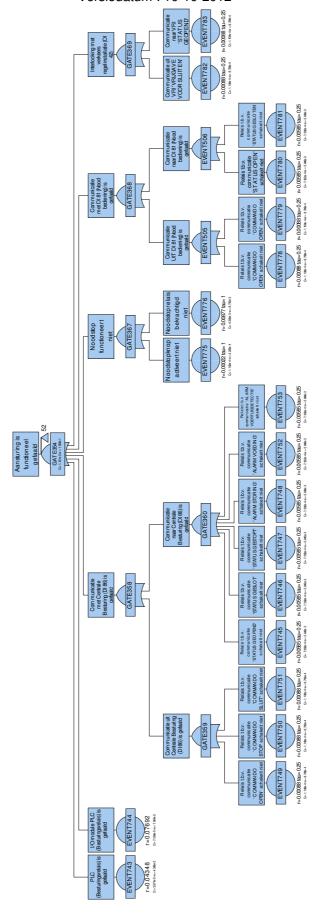






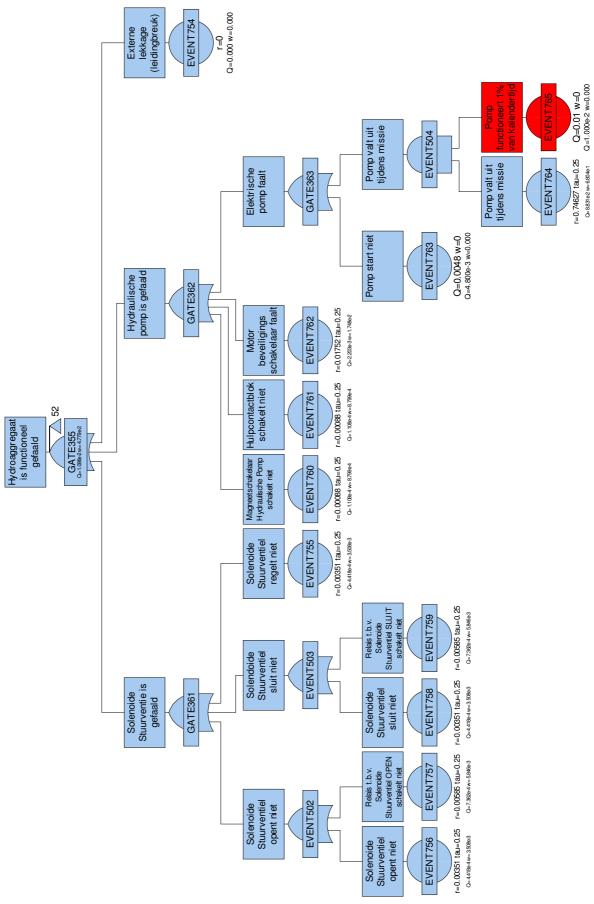


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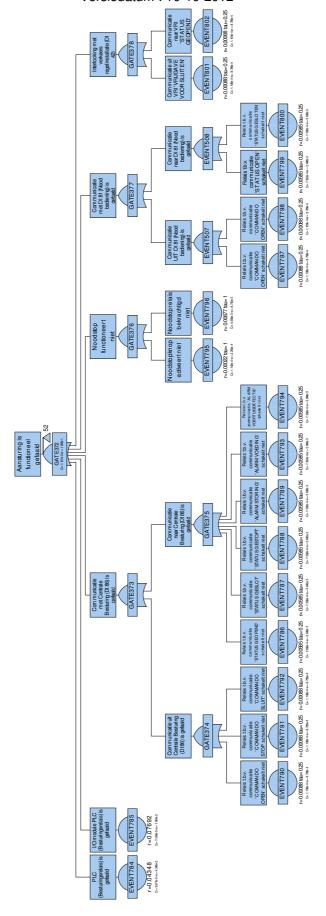


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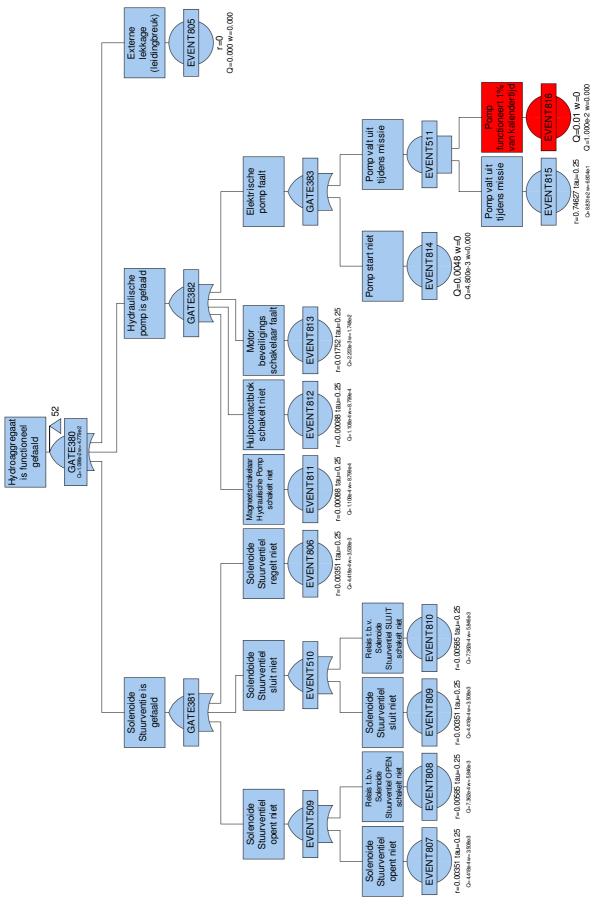


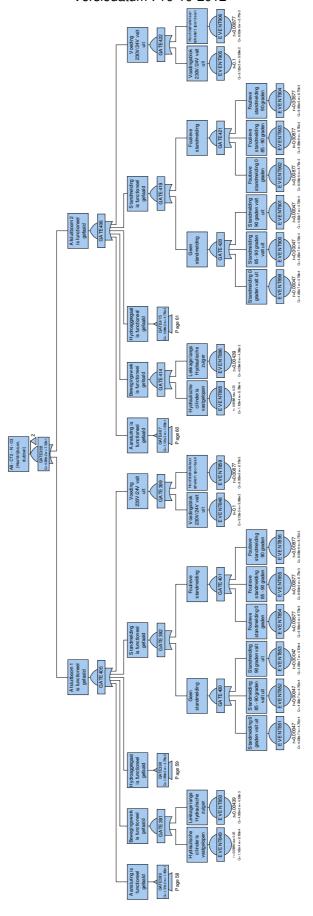
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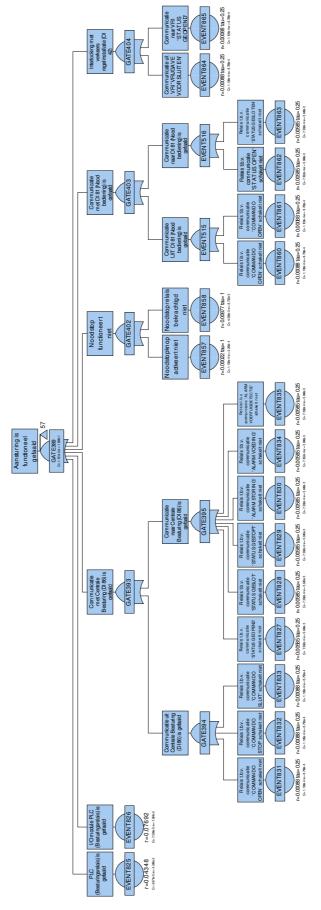
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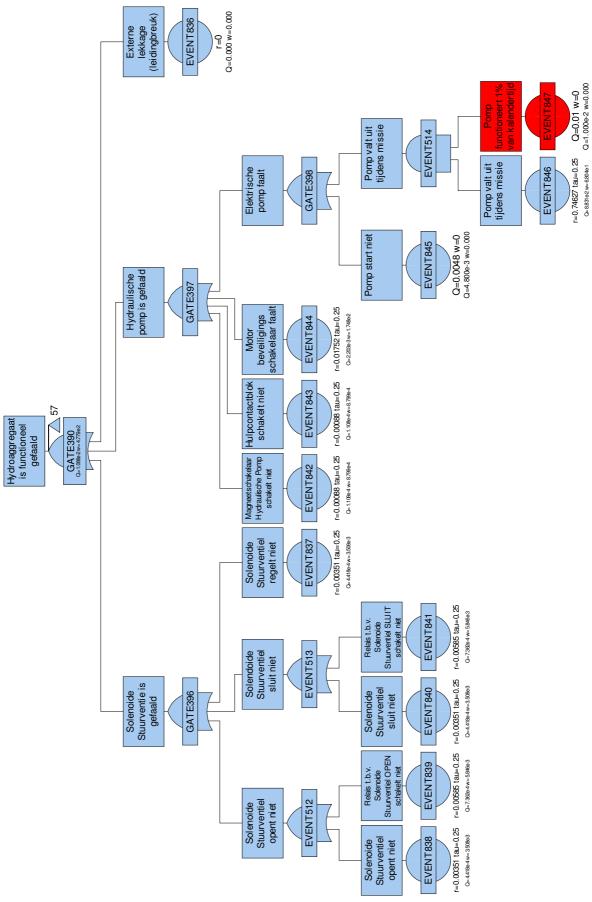


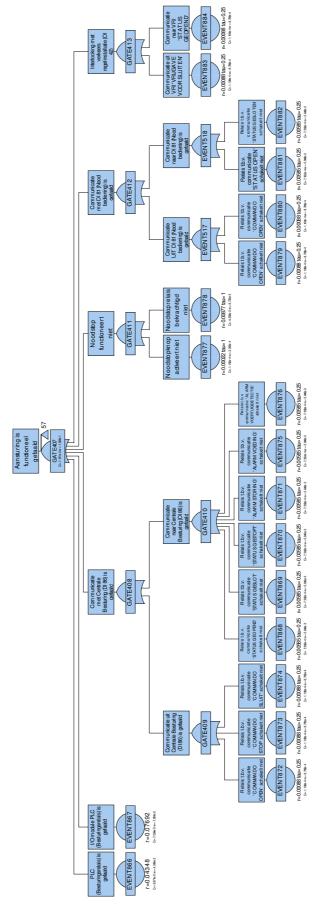
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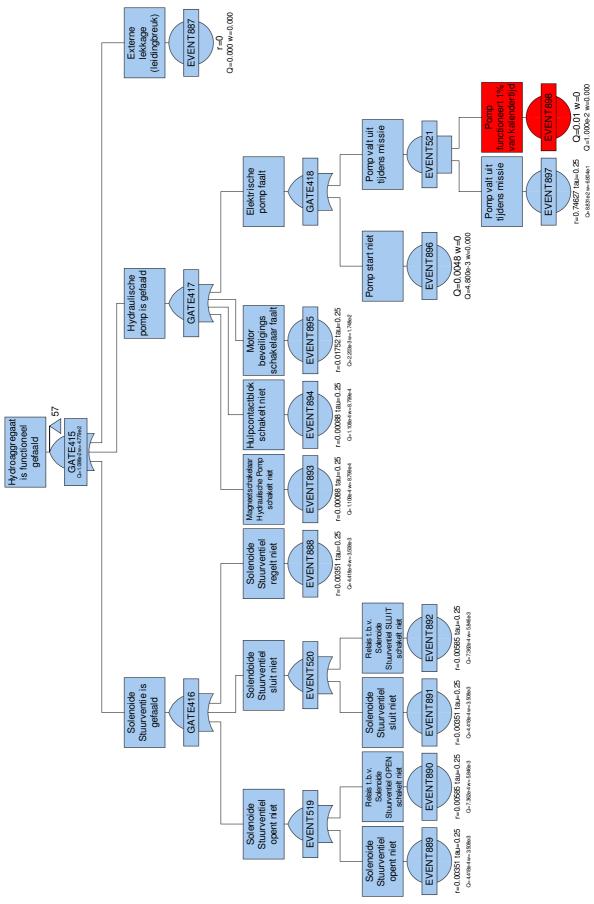
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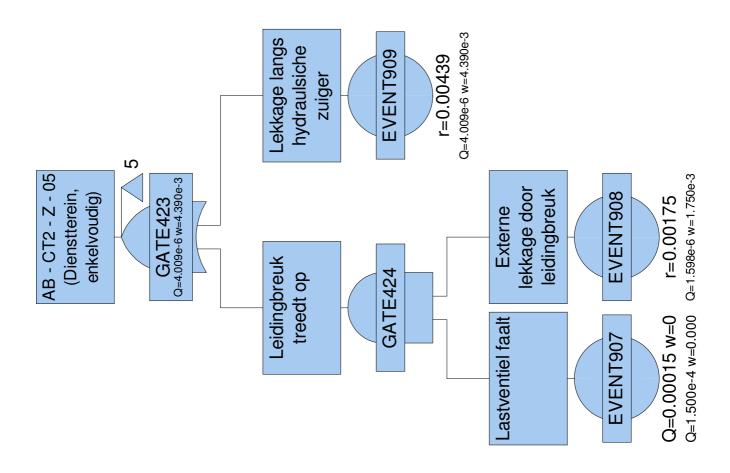


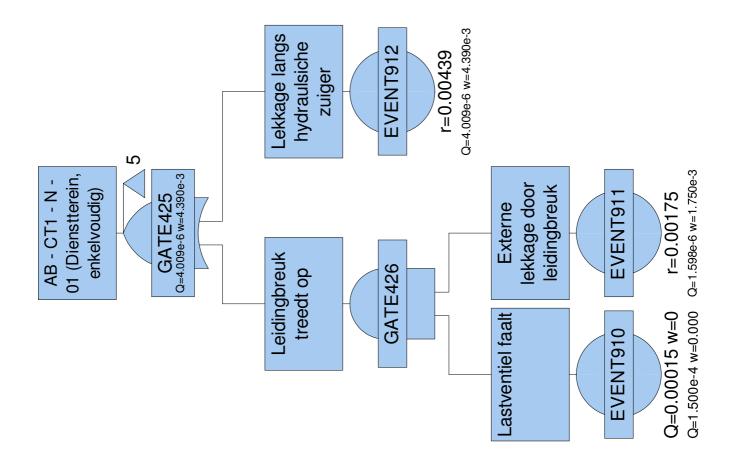
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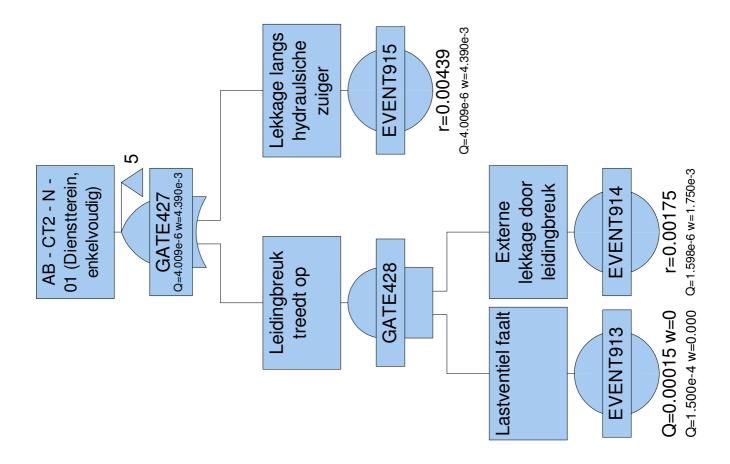
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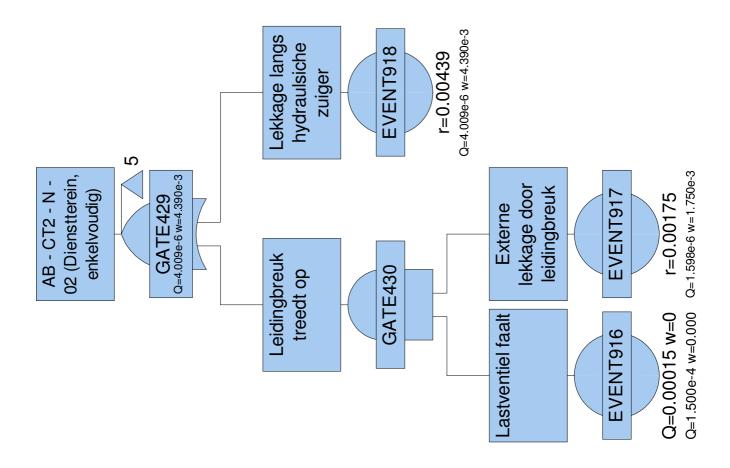


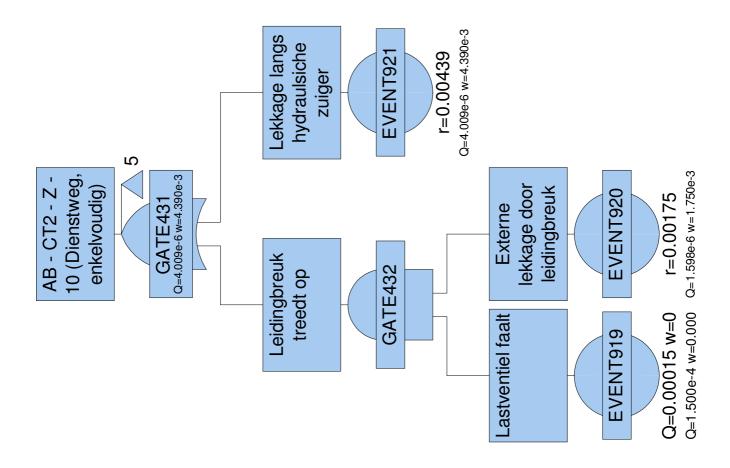
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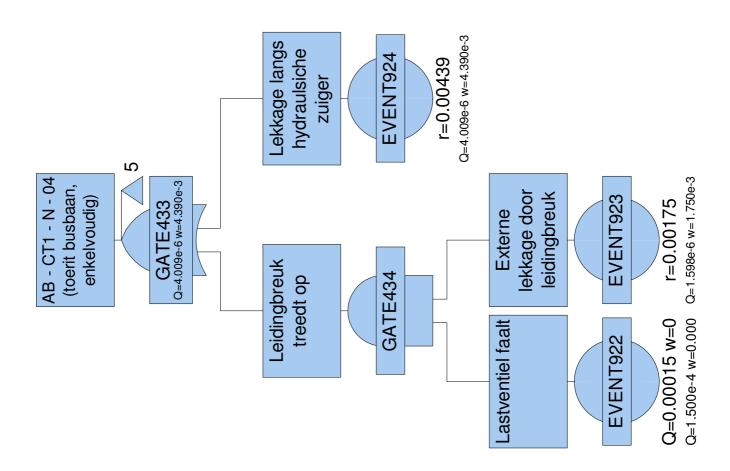


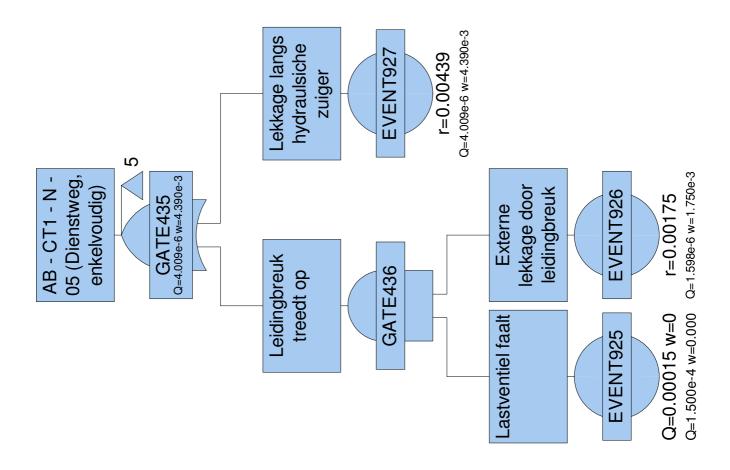


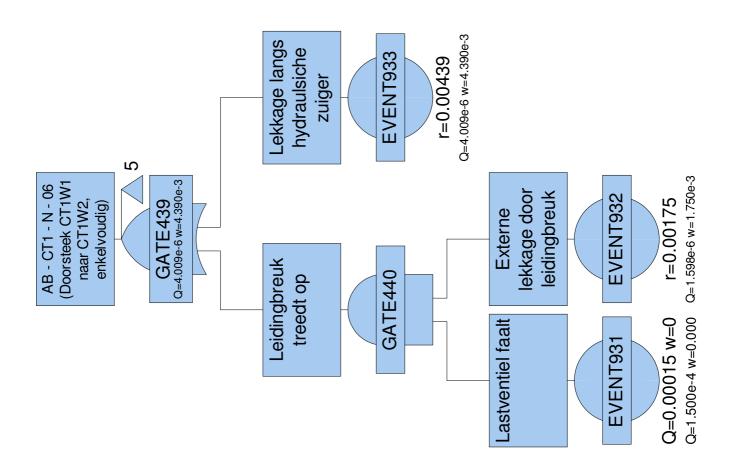


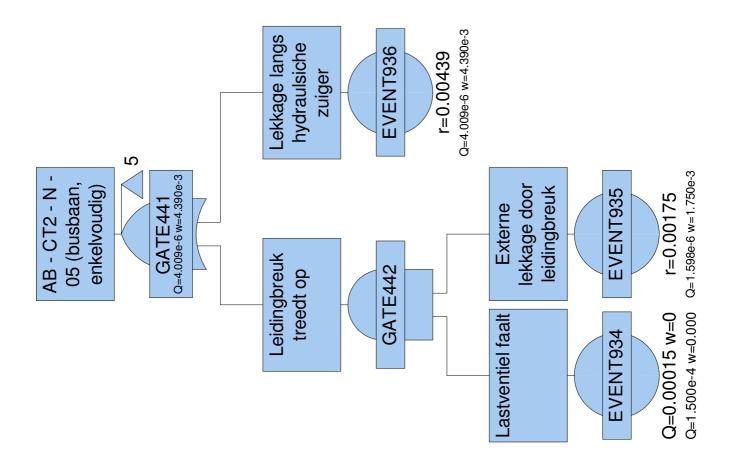


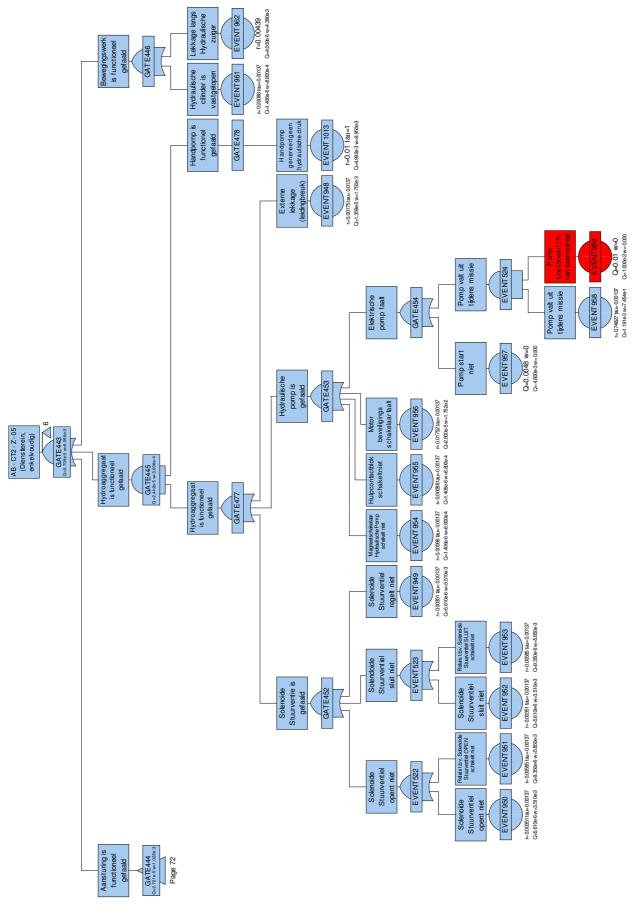


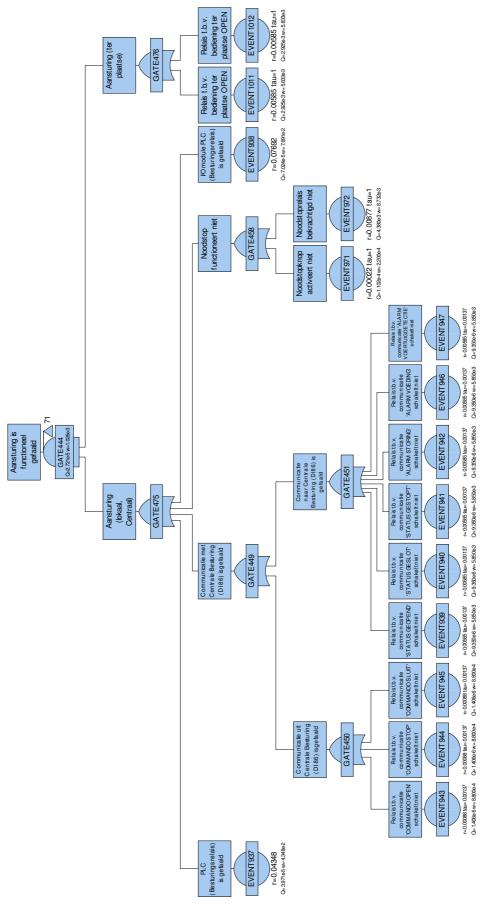




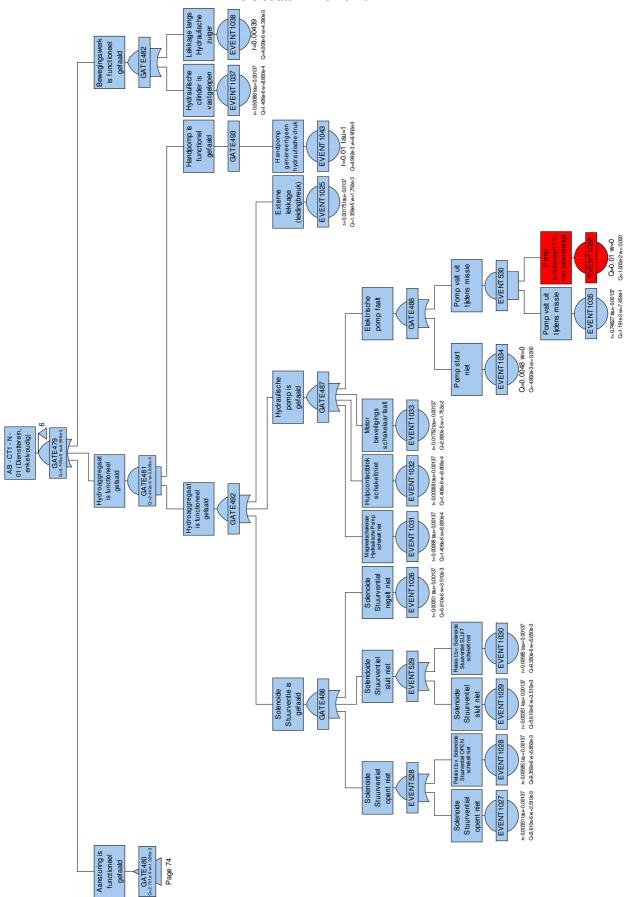


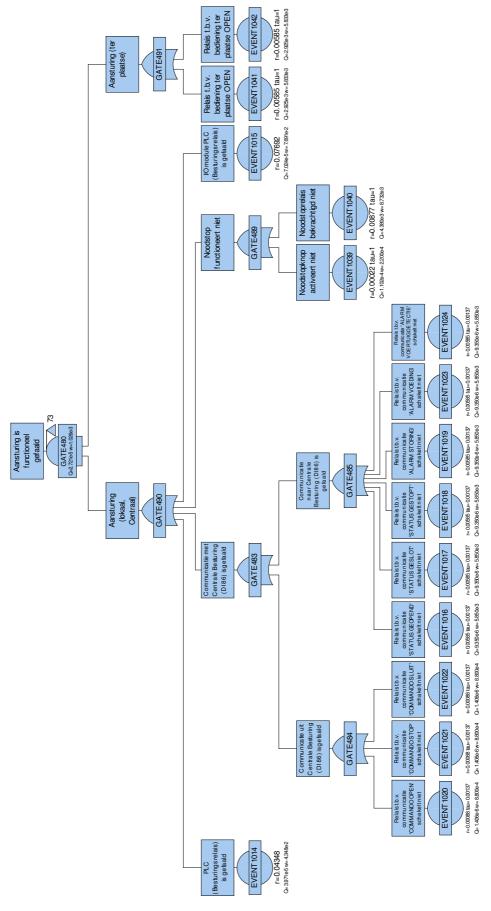




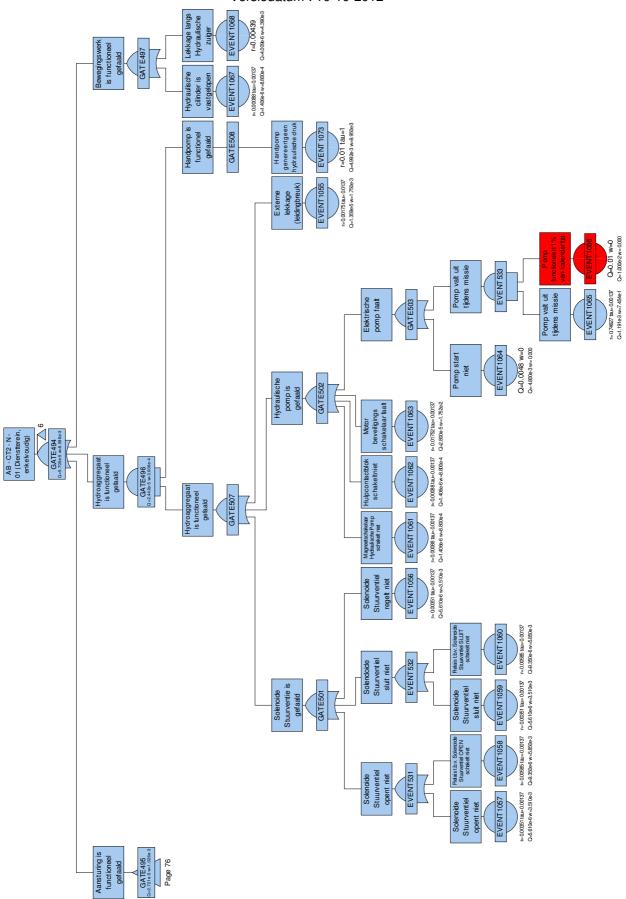


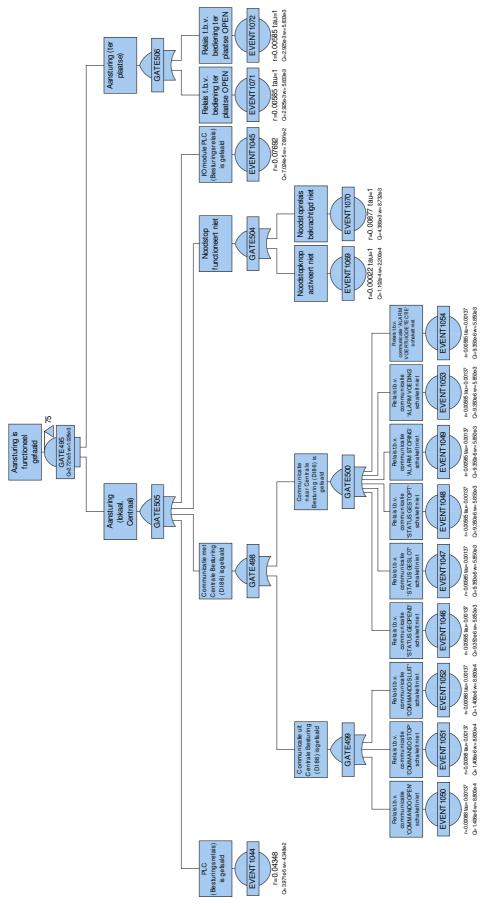
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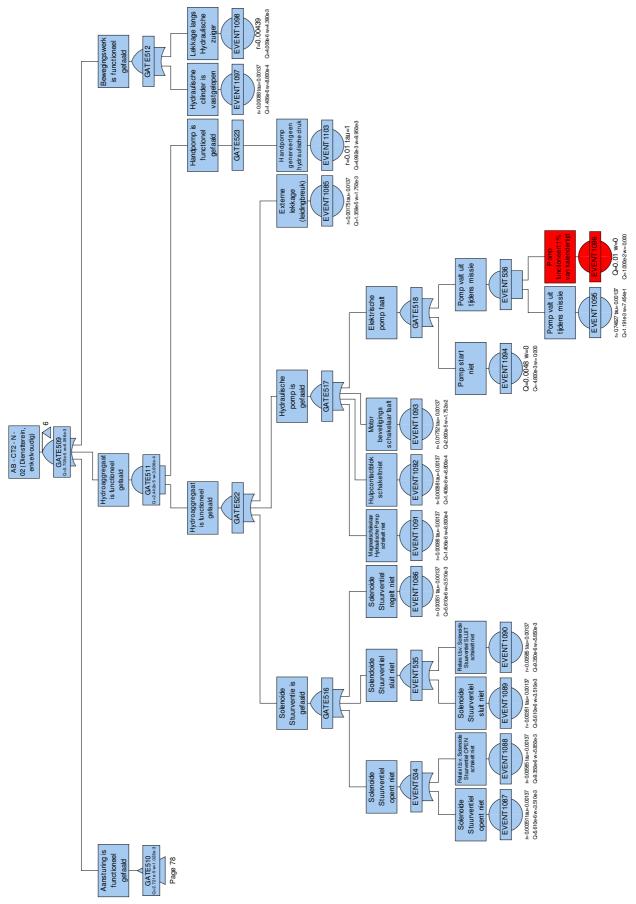


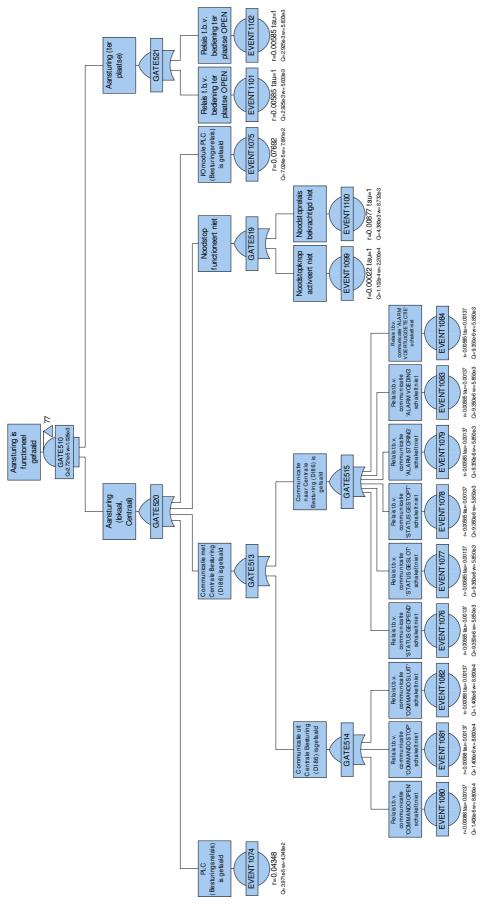
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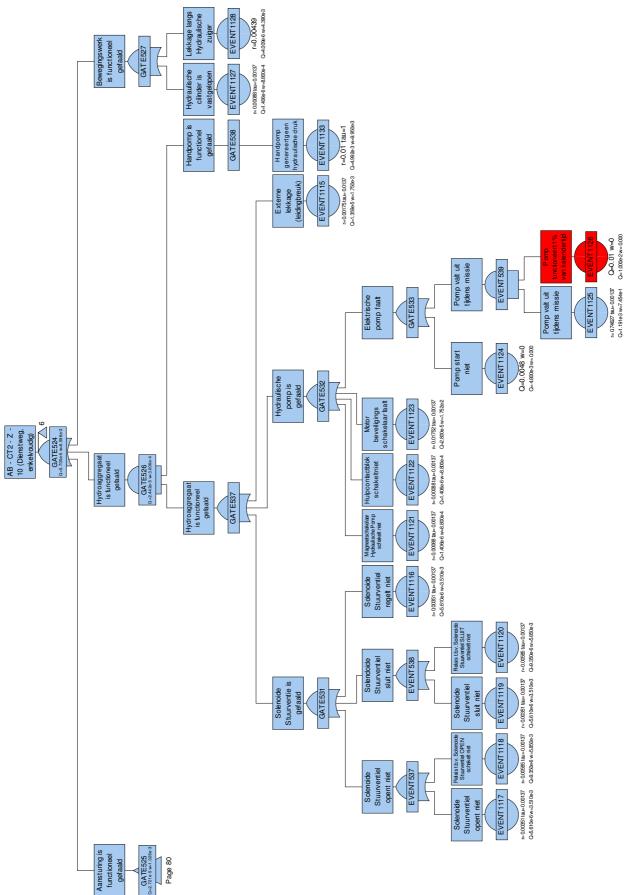


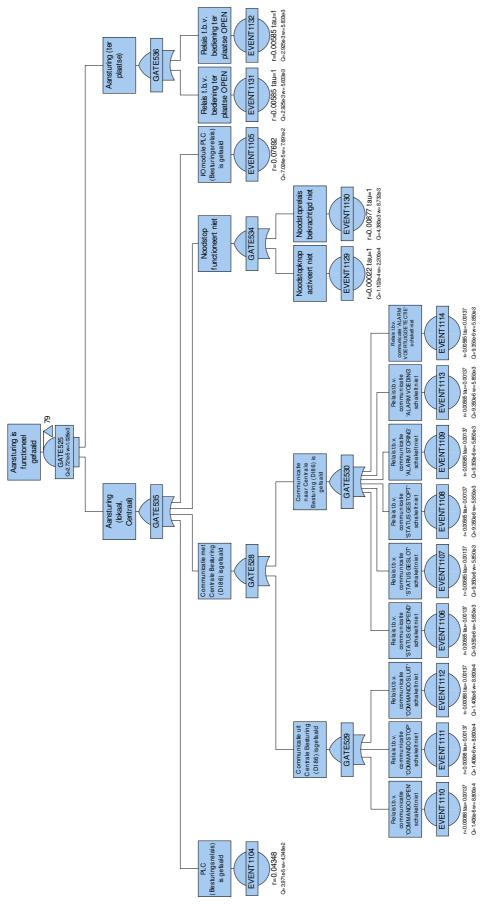
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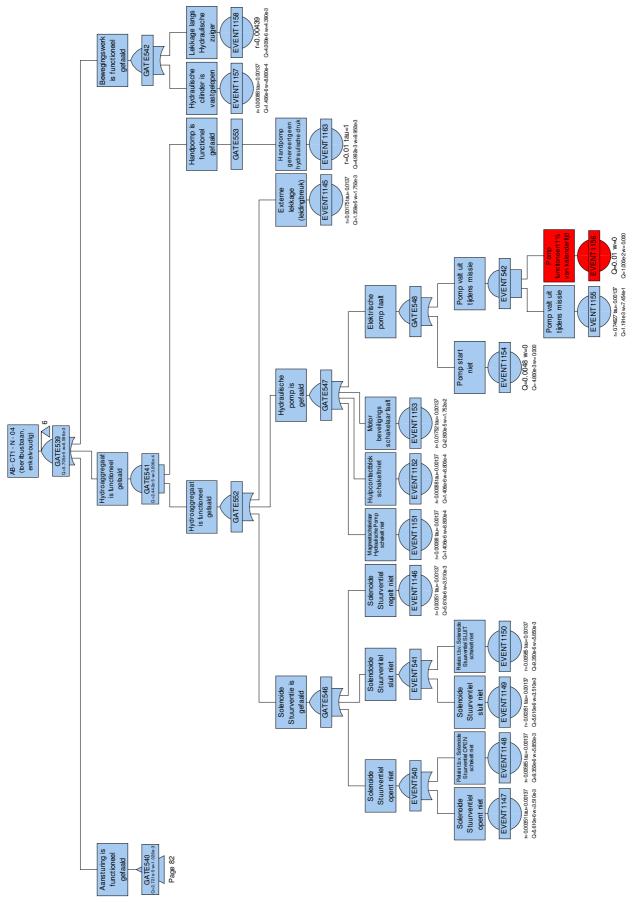


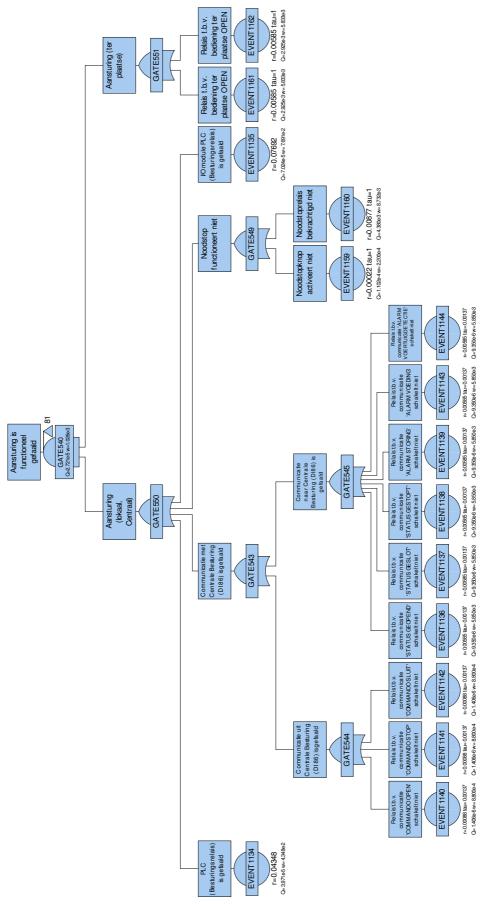
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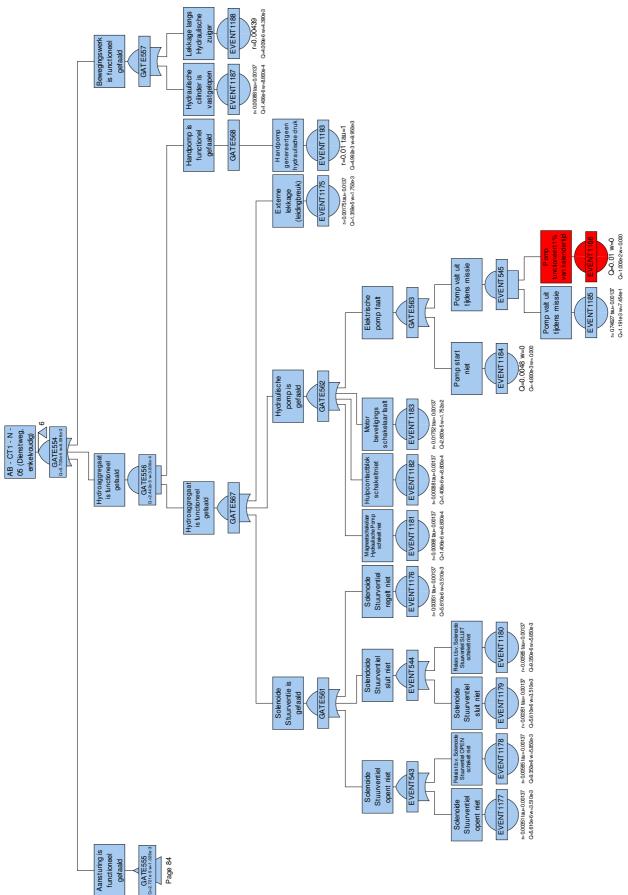


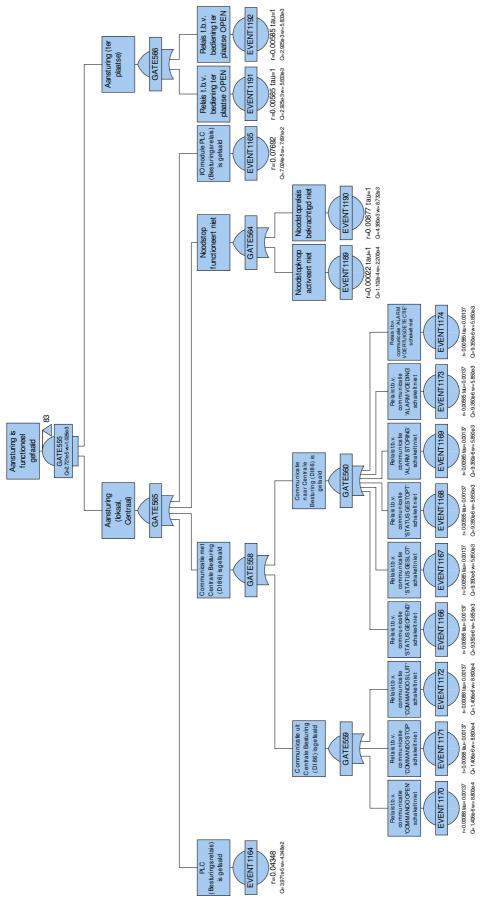
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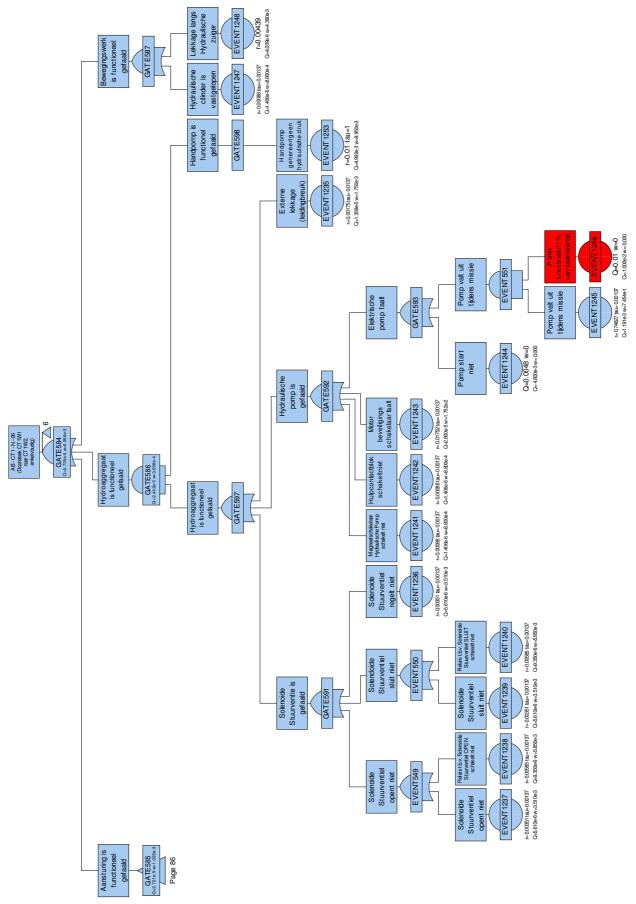


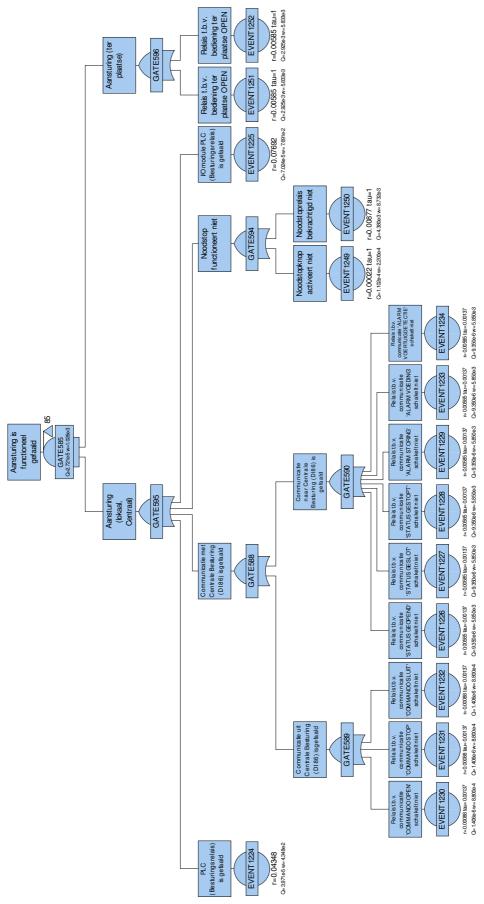
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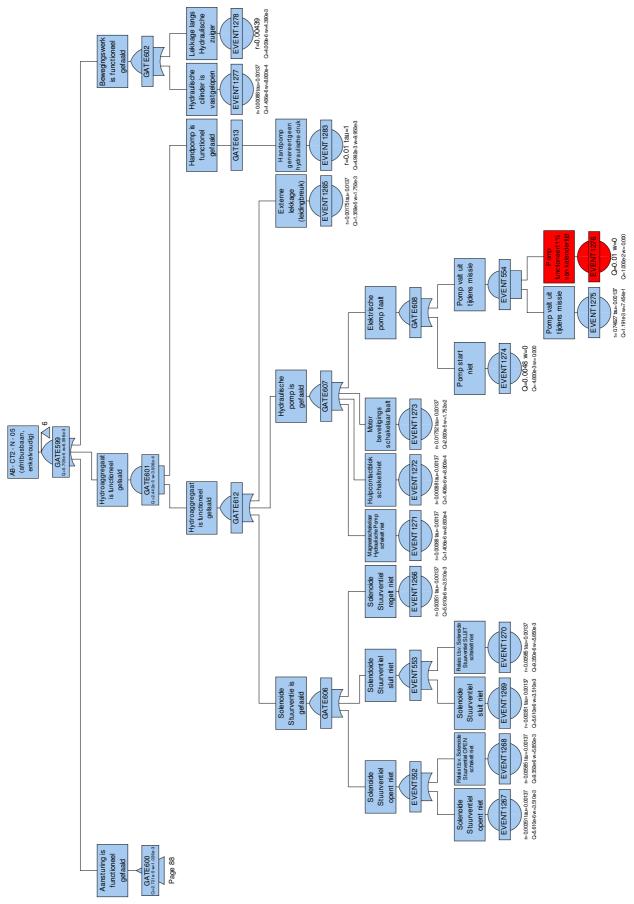


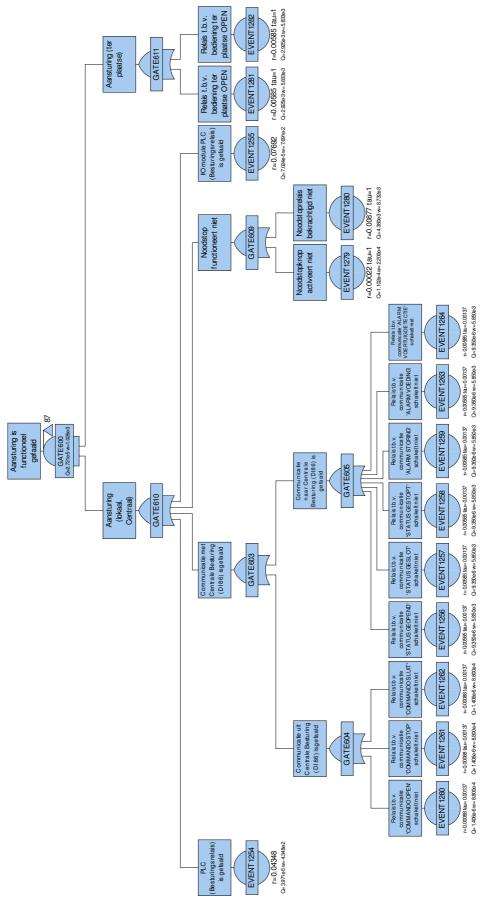
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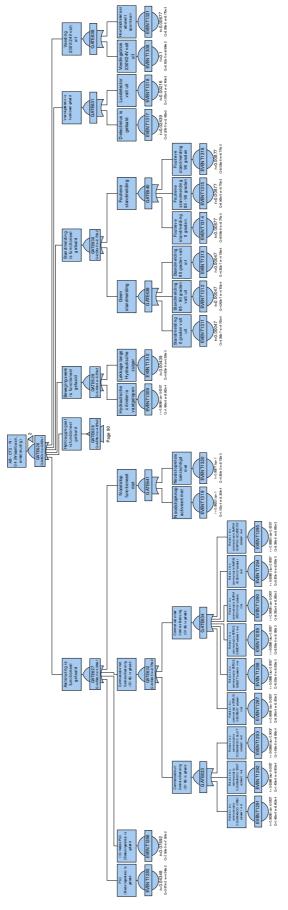


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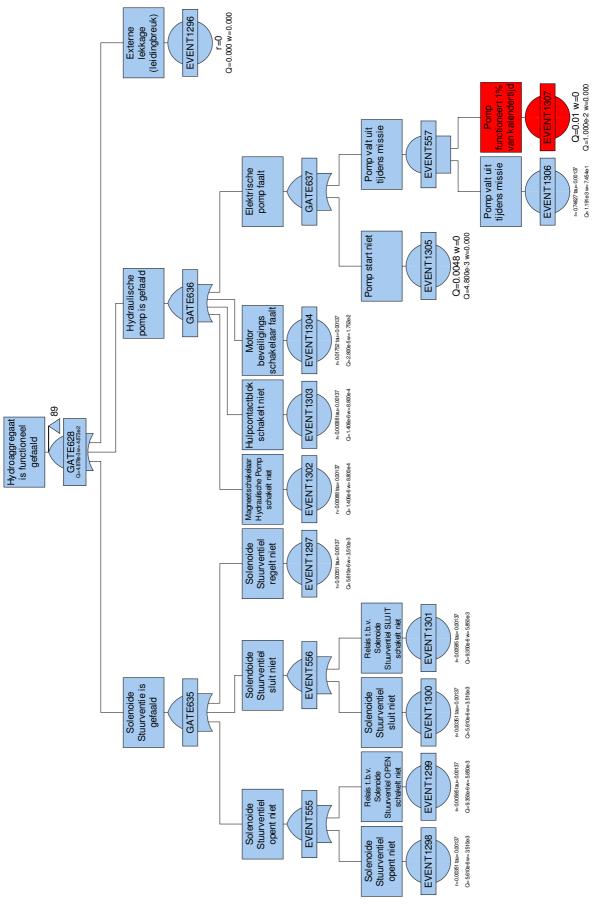




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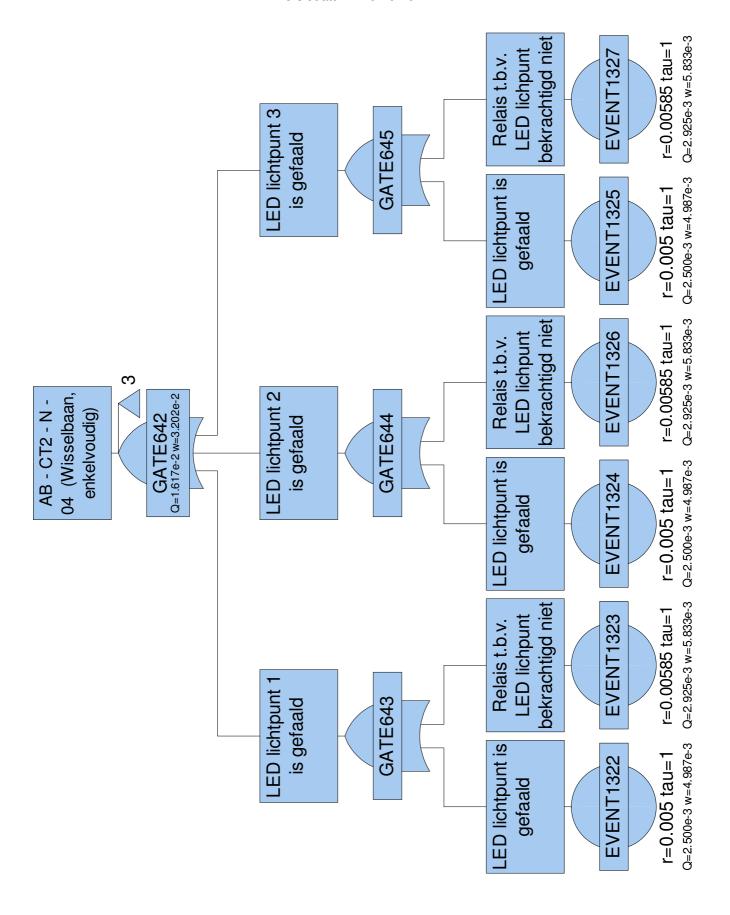


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