

Each year 20+ design projects are carried out. They provide customized advice, frequently ready for implementation by the commissioner

Team	Company	Topic	Field	Year
37	Akzo Nobel Decorative Paints	Lowering inventory levels	Logistics	2016-17
57	Allseas Engineering B.V. - Delft	Main Firing Line Automation	Automation and logistics. Construction, marine operations	2017-18
107	Adyen	Decision-making tool for warehouse deployment in the POS supply chain	Warehouse location choice	2020-21
49	Ampelmann - Delft	TAXSEA! A tool to optimize travel time between off-shore platforms taking care of demand and weather fluctuations	Routing, traffic flow, advanced modelling and simulation	2016-17
127	Amsterdam Municipality	Conceptual Model of a Dynamic Recreational Marine Traffic Model within the IJburgarea	Traffic management, waterways	2021-22
40	Arcadis (1)	Taking Schiphol to a sustainable future, a location study for expansion	Airport area (re)design	2016-17
93	Arcadis (2)	Advice for future policy design related to the increasing bicycle parking demand at Utrecht Central Station	Cycling, parking, public transport	2019-20
92	ARUP	Traffic planning for the innercity of Amsterdam	Traffic planning, infrastructure design, livability	2019-20
164	Bol	Optimising automated packaging machine layout at new Bol Fulfilment Centre in Lelystad	Selecting new packaging machines	2023-24
67	BCTN Container terminals - Alblasserdam	Transportation optimization of BCTN's terminals	Container logistics, inland barge operations	2018-19
59	Coolblue DC - Tilburg (1)	Optimization of order batching for manual picking systems	Logistics, warehousing	2017-18
85	Coolblue DC - Tilburg (2)	Allocation strategy for slow moving large parcels in the Coolblue warehouse	Logistics, warehousing	2019-2020
24	Deerns (1)	Automated parking garage for Amsterdam (Vijzelgracht)	Internal transport technology	2015-16

45	Deerns (2)	Parking facility design for the future	Autonomous vehicles and parking facilities	2016-17
61	Deerns (3)	Turnaround Terminal	Airport operations, passenger, services	2017-18
41	Delft Municipality (1)	Delft Smart City, Planning for the future of Delft Schieoevers North	Area redevelopment, socio-economic development, transport and traffic solutions	2016-17
44	Delft Municipality (2) + Transdev	Delft Smart Mobility, An automated demand responsive public transport system between Delft-Zuid station and the TU Delft campus	Public transport, autonomous vehicles on separate infrastructure	2016-17
1	Deloitte (1)	Omnichannel strategy	SCM	2013-14
19	Deloitte (2)	Reshoring of production (China/US-Europe)	SCM	2014-15
14	Deutsche Lufthansa cargo (DLH)	Airplane load factor improvement	Logistics	2014-15
110	DPD	The design of an information system for improving the performance at DPD	Warehouse optimisation	2020-21
141	DSM-Firmenich (1)	DSM cultures supply chain network design, Spreading cultures around Europe, A cold supply chain study	SCM, network-location analysis	2022-23
155	DSM-Firmenich (2)	Optimisation of Global Supply chain for Cultures	SCM, network optimization, cost	2023-24
156	DSM-Firmenich (3)	DSM-Firmenich SCDR Improvement Project	SCM, transport quality-cost ratio improvement	2023-24
167	DSM-Firmenich (4)	Cost-to-Serve with DSM-Firmenich	Logistics, SCM, transport quality-cost improvement	2023-24
151	DOB/WorldEnergy GH2	Design project	Green ammonia transport over sea	2022-23
89	DuraVermeer (1)	Developing a decision support tool to assess the feasibility of the Asphalt Recycling Train in the Netherlands	Road maintenance technology	2019-20

128	DuraVermeer (2)	Maintenance planning support tool	Road maintenance planning tool	2021-22
166	DuraVermeer (3)	A Design for the Decision-making Process of Traffic Control Measures elevating the Overall Safety of Road Construction Work A study carried out for Dura Vermeer	Road maintenance safety organization	2023-24
166	DuraVermeer (4)	A Design for the Decision-making Process of Traffic Control Measures elevating the Overall Safety of Road Construction Work	Safe road maintenance guidelines and communication	2023-24
16	European Container terminals (ECT)	Dual cycling of quay cranes	Container transport	2014-15
15	Europool Systems (EPS) (1) - Rijswijk	European pallet network optimization	Logistics	2014-15
31	Europool Systems (EPS) (2)	Financial analysis of the logistic services	Logistics, finance	2015-16
38	Europool Systems (EPS) (3)	Alternative tray selection to mitigate impacts of seasonal tray demand fluctuations	Logistics, finance	2016-17
65	Europool Systems (EPS) (4)	Retailer dwell time forecasting model for EPS trays	Logistics	2018-19
77	Europool Systems (EPS) (5)	Space occupancy of trays in storage depots: Designing a predictive model	Logistics	2018-19
98	Europool Systems (EPS) (6)	La traçabilité des palettes rouges. A study to implement traceability technology to the pallet pool of LPR	Logistics, pallet tracking with RFID	2019-20
163	Europool Systems (EPS) (7)	Degassing Project	Alternatives for gas in tray washing machines	2023-24
171	Europool Systems (EPS) (8)	Designing a more accurate model for EPS-owned trays pool prediction	SCM, asset management	2023-24
172	Europool Systems (EPS) (9)	Optimizing Depot Operations: Enhancing Stock Traceability and Accuracy in EPS Depot	SCM, asset management	2023-24
83	Euser Transport	The Road to Zero-Emission Vehicles; A study on the economic feasibility of inner	Sustainable city logistics	2018-19

		city electric freight distribution in Rotterdam		
35	EV-Box - Amsterdam	Optimization of the supply chain of e-chargers for the US market	Logistics, product-market analysis	2015-16
160	Flixbus	Flixbus (Improved customer enhancements for long distance bus travel )	Customer retention of bus company	2023-24
34	Fokker Services Group (1) - Hoofddorp	Improve process capability	Logistics	2015-16
32	Fokker Services Group (2)	Create lean flow and increase visualisation within the warehouse	Logistics	2015-16
39	Fokker Services Group (3)	Internal logistics: Tasks & touch times	Logistics, manpower planning	2016-17
55	Fokker Services Group (4)	Improving spare part availability for the RNLAF	Logistics, warehouse management	2017-18
146	Fokker Services Group (5)	Cost-efficient waste processing at Fokker Services	Waste management	2022-23
165	Fokker Services Group (6)	Optimizing Work Order Scheduling considering Customer Priority	Customer order management, change management	2023-24
176	Fokker Services Group (7)	Improving overall performance of Fokker Services by prioritizing supply chain actions	Logistics planning and decision-making, communication	2023-24
130	Fokker Techniek (1) - Woensdrecht	Reducing the turnaround time of components in the CMRO processes at Fokker Techniek	Logistics, warehouse management	2021-22
149	Fokker Techniek (2)	From lavatory to interior, Towards an Integrated Monument Production Approach	Aircraft interior design	2022-23
158	Fokker Techniek (3)	Enhancing AMRO Efficiency: Bottleneck Analysis and Universal Dashboard Development for Fokker Techniek's Aircraft Operations	AMRO material handling, logistics, planning	2023-24

112	Geengrens.eu, anv.nl	Going cross-border, Case study: Public transport in the Sittard-Geleen-Hasselt Region	Public transport, policy arena	2020-21
27	Goudappel Coffeng (1) - Den Haag	Mobility plan for CBD of Kampala, Uganda	Traffic solutions	2015-16
46	Goudappel Coffeng (2) - Den Haag	Hyperloop - potential roles in the transport market	Future public transport systems, product-market analysis	2016-17
62	Goudappel Coffeng (3) - Amsterdam	Exploring the Smart Place Concept - a case study for the municipality of Amsterdam	Dynamic use of space	2017-18
117	Goudappel (4) - Amsterdam	Hub requirements tool, Modular & adaptable mobility hub design for varying urban environments	Transport/social hubs, passenger	2020-21
139	Goudappel (5) - Rotterdam	Pedestrians first! How pedestrian perception can pave the way for more active street design	Active mode, street design	2021-22
154	Goudappel (5) - Rotterdam	Hub strategy ZES Tilburg	Emission zones and logistic service offerings	2023-24
168	Goudappel (6) - Den Haag	Optimal modal mix with minimum spatial use	Mobility management, use of space	2023-24
175	Goudappel (7) - Den Haag	Logistic Network Analysis Zeeland. An analysis and integrated visualisation of the multimodal network	Multi-modal network analysis	2023-24
95	Hardt Hyperloop (1)	First stage of a design of a Cargoloop section and its implementation	Hyperloop, Cargoloop concepts	2019-20
138	Hardt Hyperloop (2)	Using the Dutch railway network for parcel transport	Hyperloop, Cargoloop feasibility	2021-22
10	Heineken Logistics (1) - Zoeterwoude	European network optimization	Logistics	2013-14
22	Heineken Logistics (2) - Zoeterwoude	SKU redesign	Logistics	2014-15

131	Heineken HQ - Amsterdam	Heineken zero emissions	Logistics, sustainability, network	2021-22
97	HTM (1)	RandstadRail Zoetermeer Redesigned	Tram network redesign	2019-20
120	HTM (2)	Tram safety: Tram warning installation (TWI)	Public transport, safety	2020-21
126	HTM (3)	Evaluation and improvement of HTM shared bicycle service, focusing on the elderly citizens of The Hague	Public transport, access and egress modes and information	2021-22
148	HTM (4)	HTM - Incident Management Optimization	Availability of trams, Incident management	2022-23
162	HTM (5)	Exploring the Dynamics of Tram Over-speeding Hotspots; A Spatio-Temporal Analysis	Traffic safety, asset management information	2023-24
30	Huisman Equipment B.V. - Schiedam	Composite secondary structures (access; replacing steel)	Logistics, internal organization	2015-16
96	Ingenieursbureau Rotterdam	Freight logistics in M4H Rotterdam	Innercity redevelopment, freight logistics concepts	2019-20
122	IV Infra (1)	Exploration of the spatial layout requirements of large train stations when MaaS is widely adopted, A case-study at Amsterdam-Sloterdijk	Public and individual transport, information, spatial requirements	2021-22
36	KLM passenger (1)	Improve customer orientation	Product-market analysis	2015-16
56	KLM passenger (2)	NOC Optimization for KLM, Developing a model-supported framework for COR/NOC decisions	Decision support tool and implementation advice	2017-18
60	KLM passenger (3)	KLM Disruption management	Airline operations, passenger experience	2017-18
64	KLM passenger (4)	A flight departure tool for KLM, A decision tool to determine the minimum cost alternative for handling NOC passengers	Airline operations, information management	2017-18
69	KLM passenger (5)	Improving SPT performance of KLM ICA	Airline operations,	2018-19

		flights at Schiphol	information management	
74	KLM E&M (1)	Options to improve the turnaround time of components in the maintenance stream	Airline operations, SCM	2018-19
87	KLM TO (1)	Improving KLM's waste stream logistics	Airline operations, sustainability	2019-20
42	KPN Consulting - Den Haag	Applications of smart containers, internet of things to improve container transport	IoT capabilities and application in CT	2016-17
23	Maersk Line (1) - Rotterdam	Container verified gross mass (VGM)	Logistics	2015-16
53	Maersk Line (2) - Rotterdam	Synchromodality within a disrupted container transport environment	Logistics, barge transport, synchro-modality	2017-18
177	Ministry I&W (1)	Highway of the future: an introduction to special purpose lanes in the Netherlands Designing a framework for determining the suitability of Dutch highways for special purpose lanes	Passenger transport by road, alternative use of highway lanes	2023-24
106	Ministry I&W/RWS (1)	Kernnet Logistiek	Road maintenance, vehicle routing, problem visualisation	2020-21
111	Ministry I&W/RWS (2)	Highway furniture for future roadworks	Road maintenance, safe guidance of a mix of conventional cars and AV	2020-21
58	MRDH The Hague Municipality (1)	Transition, partial redesign of tram line 9's operations	Public transport operations	2017-18
123	MRDH (2)	Zoro project, Connecting Zoetermeer to Rotterdam	Public transport, line level, feasibility	2021-22
144	MuConsult	Public Transport during construction work on the Haringvlietbrug	Road infrastructure maintenance, public transport	2022-23
118	MyPup	A route choice model and sustainable vehicle study	Sustainable last mile	2020-21

43	NACO (1)	Curb+, Towards a design tool for on airport access of terminal users and a redesign of Amsterdam Airport Schiphol	Airport area (re-)design	2016-17
71	NACO (2)	A new definition of aircraft stands, implications of technology developments	Airport area (re-)design	2018-19
116	NACO (3)	Integration of vertiports for Urban Air Mobility in the current transportation system	Air passenger transport, hubs, new technology	2020-21
145	NACO (4)	Air-Rail Connectivity with Baggage Handling Integration, A case study of the Amsterdam-Brussels corridor	Intermodal passenger transport, baggage transfer	2022-23
175	NACO (5)	Creating a Mixed Schengen/non-Schengen Airside Lounge. A Focus on Special Passengers	Airport operations, security, customer experience	2023-24
115	NedCargo	Analyzing future effects of e-commerce B2B orders	DC design, picking, packing	2020-21
99	NS CO (1)	Designing multi-modal hubs, A decision support tool for NS to advice on the transformation of train stations into multi-modal hubs	Multi-modal passenger transport, hubs	2019-20
103	NS CO (2)	Station crowd redistribution and pandemic resilience	Public transport, crowd management, passenger behaviour	2020-21
173	NS CO (3)	Modal shift in long distance travel	Public transport attractiveness on longer distance	2023-24
5	ORTEC - Amsterdam	Linking different software packages	Logistic software	2013-14
121	Prysmian Group (1) - Delft	Analysis of the Sustainability Aspects in the Dutch Underground Telecom Network	Telecom, recycling, technology, supply chain	2021-22
169	Prysmian Group (2)	Roadmap to zero carbon outbound logistics for Prysmian Group Netherlands	SCM, sustainable logistics	2023-24
100	NS Innovation Lab	Automatic shunting at NS - A proposed design and its implications	Train operations, new technologies, planning	2019-20

159	Nutreco (1)	Supply Chain Analysis at Nutreco: Exploring new insights and KPI, improvements on the premix supply chain at production facility Putten	SCM, performance measurement	2023-24
63	Picnic Online Supermarkets (1)	Assessing the explanatory power of a data Driven forecasting model for predicting delivery times at Picnic Online Supermarket	Supply chain operations	2017-18
66	Picnic Online Supermarkets (2)	Hub flow performance	Supply chain operations	2018-19
81	Port of Rotterdam (1)	Towards a paradigm shift in inland shipping	Autonomous barges	2018-19
86	Port of Rotterdam (1)/Portshuttle	Efficient repair of freight wagons	Rail freight transport technology	2019-20
8	Post.nl (1)	RFID roll-out	Product analysis	2013-14
48	Post.nl (2) - Den Haag	Postnl emballage process	Logistics, material handling process	2016-17
78	Post.nl (3) - Den Haag	TGN Fleet optimization	Logistics, fleet management	2018-19
113	Post.nl (4) - Den Haag	Emission-free alternative K5	Fleet management and logistics	2020-21
135	Post.nl (4) - Den Haa	Investigating potential local Last-mile Network Distribution Strategies for PostNL	Parcel transport strategies	2021-22
147	Project Bureau voor de Leefomgeving (PBL) - Den Haag	Implementation Strategies for Charging Infrastructure The Hague - A case study	EV, public charging facilities, policy	2022-23
73	Quicargo	Dynamic pricing algorithm in a third party logistics multi-sided platform	Matching supply and demand at optimal price(s)	2018-19
54	RET Bus (Rotterdamse Elektrische Tram)	Improving disruption response management - RET	Process re-engineering framework	2017-18
75	RIOH (CN) + RWS	Working towards a joint smart mobility demonstration	Autonomous vehicle experiment (plan for demonstration)	2018-19
72	Rotterdam Municipality (1)	Implementation of Avs in Wilhelminapier, Infrastructural and spatial solutions	Autonomous vehicles in mixed traffic	2018-19

132	Rotterdam Municipality (2)	Analyzing the logistical performance of Microhubs	New logistics concepts	2021-22
51	Royal FloraHolland (RFH) - Aalsmeer/Naaldwijk (1)	Logistics process design of KVV at Royal Flora Holland	Logistics; demand management	2017-18
129	Royal FloraHolland (RFH) - Aalsmeer/Naaldwijk (2)	Automation and robotization possibilities for the future box of Floriway, Innovative visions and conceptual designs	Logistics, material handling, technology	2021-22
136	Royal FloraHolland (RFH) - Aalsmeer/Naaldwijk (3)	Improving the supply chain of roses from Kenya and Ethiopia to Dock Services in Aalsmeer	Supply chain, flowers	2021-22
140	Royal FloraHolland (RFH) - Aalsmeer/Naaldwijk (4)	Designing Royal FloraHolland New Return Service	Supply chain, reverse logistics	2022-23
137	Royal Haskoning DHV (1)	Using the Dutch railway network for parcel transport	Parcel transport by rail	2021-22
143	Royal Haskoning DHV (2)	Freight Transportation in Passenger Trains, The Logistical Process at Stations	Freight transport, railway stations, combi-service	2022-23
18	Royal IHC	Warehouse optimization, integration, design	Logistics	2014-15
12	RTH Airport (1)	Departure hall redesign (I)	System analysis	2013-14
13	RTH Airport (2)	Departure hall redesign (II)	System analysis	2014-15
25	RTH Airport (3)	Redesign of airport front square	Traffic solutions	2015-16
52	RTH Airport (4)	Improving the Passenger Experience in Departure Process of Rotterdam The Hague Airport	Airport ground access, crowd management	2017-18
105	Sender	Opportunity for LTL, Towards a greener business	Logistics, trucking	2020-21
47	Sita - Ypenburg (1)	Reducing lost baggage	Air transport convenience	2016-17
124	Sita - Ypenburg (2)	Improving quality control of SITA's check-in kiosks	Air transport, passenger handling technology	2021-22
142	Sita - Ypenburg (3)	Logistics for Refurbishment of SITA Check-In Kiosks	Logistic, maintenance and repair, reverse	2022-23

			logistics	
150	Sita - Ypenburg (4)	Spare parts for SITA kiosks, An in-depth analysis of the current replacement process and proposed improvements, for the continuous maintenance strategy	Logistic, maintenance and repair, reverse logistics	2022-23
101	Suitcase / Fynly / Province of South-Holland (1)	Framework for a metropolitan hub in the Metropole region of Rotterdam	Logistics, sustainability	2019-20
109	Suitcase / Fynly / Province of South-Holland / Province of Utrecht (2)	Metropolitan hub design for Utrecht city	Interregional barge transport, hubs	2020-21
108	Suitcase / Fynly / Province of South-Holland (3)	Regional barge team	Regional barge transport, hubs	2020-21
125	Sweco (1)	The bicycle ring around the city centre of Haarlem	Cycling, network design	2021-22
68	SWOV (1)	Improving median safety on Dutch 80 and 100 km/h single carriage roads	Road safety technology	2018-19
90	SWOV (2)	Safer infrastructure design using driver-pedestrian interaction models at unsignalized crossings	Road safety technology, pedestrians, cars	2019-20
70	TATA Steel (1)	Analysing the maintenance process of discontinuously used equipment	More efficient use of test equipment	2018-19
170	TATA Steel (2)	TATA Steel On-Site Logistics	Coil wagon handling, asset management	2023-24
50	Technolution (1), Rijkswaterstaat	ITS solutions for the JingTong Expressway	Traffic management	2017-18
119	Technolution (2)	Integrating drone-hubs in the urban environment; A case study for a potential Amsterdam - Schiphol airport connection	Air passenger transport, hubs, new technology	2020-21
152	Technolution	From Policy to Practice, A system analysis and propositions for the design of a car-free neighbourhood in Dordrecht with a clear connection to municipal mobility policy	Urban planning, future mobility	2022-23

88	TNO	Automated vans - Pilot tests in The Netherlands	Autonomous vehicles, logistics	2019-20
28	Unilever Benelux - Rotterdam	Shared SKU's	Logistics	2015-16
33	Vanderlande - Veghel	Last mile solutions of the future; Interfaces between Warehouse Systems and Innovations in Parcel Delivery	Logistics, transport equipment analysis	2015-16
94	Verstedelijkingsalliantie	Decision support tool design - S-Bahn development	Railway station design, accessibility	2019-20
82	Witteveen+Bos (1)	Itaipu Bypass; Infrastructure investments for new waterway transport chains	Intermodal, commodity flows, investments in (new) terminals and waterway upgrades	2018-19
104	Witteveen+Bos (2)	Sustainable mobility in the city of the future, Providing insight in mobility measures and effects in urban development projects	Spatial planning, (new) mobility	2020-21
133	Witteveen+Bos (3)	Designing an information tool to improve the decision-making process of EV charging infrastructure design in greenfield area developments	Electric road transport, charging technology	2021-22
157	Witteveen+Bos (4)	Designing an alternative high-quality public transport connection between Utrecht and Arnhem to reduce pressure on rail infrastructure	Public transport alternatives for rail corridor	2023-24
161	Witteveen+Bos (5)	The influence of cars sharing and public transit on parking norms	Parking norms, use of urban space	2023-24
134	Zapp		Store process improvement	2021-22
7	TUD TIL	Dubai airport extension	Airport planning	2013-14
6	TUD TIL	Automated passenger transport in Delft	Automated PT	2013-14
26	TUD TIL	Biocoal and its operational consequences at EMO	Logistics, product analysis, transport	2015-16

			equipment analysis	
11	TUD TIL	Car free cities; conditions, opportunities	Passenger transport	2013-14
9	TUD TIL	Conditioned transport of lettuce	Logistics and product analysis	2013-14
4	TUD TIL	Parking in Spoorzone Delft	Passenger transport	2013-14
29	TUD TIL	Maturity of synchromodality in Port of Rotterdam	Freight transport, logistics	2015-16
17	TUD TIL	MVII inter terminal transport	Container transport	2014-15
20	TUD TIL	The impact of peak-avoiding e-working policies on travel behaviour	Passenger transport	2014-15
3	TUD TIL	Transport for disabled people in Delft	Passenger transport	2013-14
2	TUD TIL	Traffic safety Mekelpark	Traffic (safety) analysis	2013-14
21	TUD TIL	Land-side accessibility of Lelystad Airport	Passenger transport	2014-15
76	TUD P&E (ZEF) (1)	Analytically determining the optimal location for a solar methanol farm	Production location choice	2018-19
84	TUD P&E (ZEF) (2)	Alternative marine fuels, A cost comparison model for 2050	Fuels, emissions, shipping	2019-20
114	TUD P&E (ZEF) (3)	Solar based methanol production in Oman	Production location and transportation choices	2020-21
153	TUD P&E (ZEF) (4)	Comparing locations for green methanol producing solar farms	Green ammonia, sea transport options	2022-23