

## Curriculum Vitae (CV) for Magnus Carle

Name of Firm: Ellemce HB

Name of Staff: **Magnus Carle**

Profession: Senior Advisor in Mobility and Transport

Date of Birth: 30 December 1940

Years with Firm/entity: 6

Nationality: Swedish

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### Key Qualifications:

<b>Skills and experience</b>	<b>Mr Carle's experience in brief</b>
Education at Master level	Master of Science in Civil Engineering from the University of Technology in Gothenburg, Sweden
Understanding of transportation including public transport, planning and systems	As head of the Transport Department and Senior Engineer in the Office of Regional Planning and Urban Transportation, RTK, during over 15 years Mr Carle has got a profound experience and broad understanding for <b>planning of strategic transport systems</b> in the Stockholm County, including <b>all modes of transport</b> . He was managing projects concerning <b>Travel behaviour surveys, Mobility development, Traffic forecasts, Transport networks for roads and rails, Public transport standards, Personal Rapid Transport, ITS, Road pricing, Parking, Financing, Consequence analysis</b> etc. The work was conducted in close <b>cooperation</b> with the departments for <b>Land Use Planning</b> and <b>Regional Development</b> in RTK and worked out with a <b>holistic</b> perspective and <b>process oriented</b> approach.
Professional experience from dealing with mobility issues in large cities or metropolitan area	Working with RTK Mr Carle was responsible for the coordination of all regional transport planning in the <b>Greater Stockholm Region</b> , but also including transport studies for the <b>Lake Malar Valley</b> especially concerning <b>regional public transport</b> . The planning was based on <b>mobility studies</b> concerning <b>Origin-Destination Surveys</b> , analysis of <b>travel behaviour</b> for different groups and genders, and studies about physical, social and economical <b>boundaries for mobility</b> . As independent evaluator of research applications to the European Commission Mr Carle also is well updated on front research activities concerning <b>Mobility</b>

	<p><b>Management, Transport Awareness and Innovative systems and technologies</b> leading towards <b>Sustainable Transport.</b></p> <p>Mr Carle has experience of urban development planning in developing countries as Transport Advisor on <b>Mobility and Transport</b> to the city Pune, India, by working out a <b>Sustainable City Plan for Pune.</b></p>
<p>Experience of interacting with stakeholders</p>	<p>As municipality traffic engineer and regional planner Mr Carle <b>regularly interacted with stakeholders</b> at all <b>political</b> and <b>civil</b> levels. On municipal level the work as traffic engineer meant daily meetings with <b>planning bodies, exploitation companies and private citizens.</b> In Haninge Municipality he participated in the development of a program for <b>involvement of the citizens</b> in the planning process. As project coordinator in the municipality, acting as non-political secretary, the interaction with stakeholders was even broader.</p> <p>As regional transport planner he interacted closely with <b>all public bodies responsible for transport and traffic</b> in the region especially <b>Stockholm Transport</b> (responsible for land-bound local public transport in the county), <b>26 municipalities</b> in the county, the <b>County Administration, Swedish Road Administration and Swedish Rail Administration.</b></p> <p>Reference groups connected to the Regional Planning process also covered <b>transport companies</b> and <b>NGOs.</b></p> <p>As assisting secretary in a negotiation group, concerning a 40 billion SEK transport investment program, with the leading politicians in Stockholm City and County and as head of the Congestion Charging Implementation Office he interacted frequently with the <b>top political level</b> in the <b>City of Stockholm,</b> in the <b>Stockholm County</b> and to some extent with the <b>National Government.</b></p>

### Key experiences

Mr Carle has 45 years experience of **transport and traffic planning in the greater city regions** of Sweden. He has been project leader during 15 years for long term **strategic transport planning** within the frame of regional planning in the Stockholm region.

Mr Carle has been active as **secretary in a negotiation group with leading elected representatives** from the City of Stockholm and from the Stockholm County leading to an **design of and agreement on a 40 billion SEK investment package (the Dennis Package)** for new roads and improved public transport in the Stockholm region.

He has further been scientific secretary with the Organisation COST (European Cooperation in the field of Scientific and Technical Research) in Brussels with explicit responsibility to the COST Actions 339, 341, 342, 343, 344, 345, 347, 350 covering a broad scale of issues as e.g. load carriers, road and rail maintenance, environmental impact of traffic and transport infrastructure and thereby achieving a **broad insight in current state of the research and trial projects for sustainable traffic solutions** in Europe and beyond. This has also been the task in appointments by the European Commission concerning evaluation of new or on-going transport research activities giving him broad experience from current **innovative systems and technology development.**

Mr Carle was head of the implementation secretariat responsible for **planning, implementation, evaluation and communication of a Congestion Charging** Trial in the City of Stockholm.

He is a transport expert with consultancy experience as **advisor on Congestion charging, Transport investments, Financing of transport infrastructure**, review of transport policies, negotiation about implementation and financing, assessments of transport impacts, **implementation with PPP-solutions** etc.

During 2008 - 2010 Mr Carle has been working as transport **advisor** and **supporter**, as member of a core team **from Ramboll Natura**, with the city **Pune in India** on **Mobility and Transport** by revising the Development Plan for Pune. This plan will cover a period of 20-30 years and the project involving Mr Carle is aiming to develop a **Sustainable City Plan for Pune**. Mr Carle has spent 3-4 month a year in Pune. The project was financed by **SIDA**, Sweden.

## Key Qualifications

Mr Carle has a broad and long term experience from a variety of projects with relevance to mobility and urban transport issues. He has particular experience of:

### Strategic overall transport planning

During 15 years responsible for the coordination of all **regional transport planning** connected to **regional and urban planning** in the greater Stockholm area. The work included e.g. **Mobility, Traffic development, Modal Split, Transport systems, Urban transport**, Road and Rail networks, Parking and Road Pricing. Consequence assessments were worked out concerning Environmental impacts, Transport economics and Cost-benefit analysis. **Financing mechanisms** for investments and maintenance as well as legal aspects were investigated.

The work was conducted as manager or **project leader** with the Transport Department in the Office of Regional Planning and Urban Transportation, Stockholm County.

2007 - 2010 Mr Carle has been involved as a transport **advisor and supporter** in a SIDA-financed project in Pune, India, called Sustainable City Plan for Pune. This plan will include a **Sustainable Transport Plan** for the next **20-30 years**.

### Cooperation with stakeholders and politicians

Extensive experience of cooperation with and support of elected representatives as **non-political Secretary** for the local **Political Management Committee** in the municipality of Haninge, as an **Assisting Secretary** in the **political negotiation group** for the Dennis Package, a 40 billion SEK investment program for new roads, rails, trains, buses and parking facilities in the Stockholm region, and as an **Expert** to assist a **Rapporteur in the** Committee of the Regions in Brussels, Belgium. Commission responsible for consultations in the field: Transport and Trans-European Transport Networks.

### Contacts with the International Research Community

Close cooperation with the Universities of Technology in Gothenburg and Stockholm, **Scientific Secretary** with COST (European Cooperation in the field of Scientific and Technical Research) in Brussels and several appointments of the **European Commission** to evaluate proposed or on-going research projects. He was member of the COST 355 action on Changing Behaviour Towards a More **Sustainable Transport System**.

### Exchange of experience

**International bench-marking** has been essential for **capacity building** with study trips to most countries in Europe and major over-sea study trips to Mexico (1966); USA (1966, 1997); Hong-Kong, Singapore and Vietnam (1994); Canada (2004); India (2006, 2008, 2009, 2010, 2011); Saudi Arabia (2011).

Responsible for **international capacity building activities** in Sweden as host for international visitors and international seminars.

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## Education:

Year

1966                      **Master of Science in Civil Engineering** , Chalmers University of Technology, Gothenburg, Sweden

- 1962            **Mate Examination**, Swedish Royal Navy
- 1960            **Higher School Examination**, Upper Secondary School, Norrköping, Sweden
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**Employment Record:**

*Year, months*

- 2005 – cont.    **Ellemce Hb, Transport Consultant, Lidingö, Sweden**  
Transport consultant with the family owned company.  
Consultancy experience: Transport planning in India, Evaluation of research proposals, Congestion charging, Transport investments, Financing of transport infrastructure, Historical review of transport policies in Stockholm, Negotiation about implementation and financing of Roads, Assessments of transport impacts, Implementation with PPP-solutions, Distribution of Goods and Mobility.
- 2003-2004    **City of Stockholm, Executive Office, Stockholm, Sweden**  
**Head of Secretariat.**  
Responsible for planning, implementation, evaluation and communication of a Congestion Charging Trial in the city, initially planned to go live in 2005.
- 2000-2003    **European Commission, General Directorate for Transport and Energy, DGTREN, and General Directorate for Research, DGResearch, COST Administration Secretariat, Brussels, Belgium**  
Detached as a National Expert supported by the Swedish Ministry of Transport. Scientific Secretary responsible for the administration of COST Actions concerning transport, including 10 – 25 different research institutes each.  
(COST: European Cooperation in the field of Scientific and Technical research)
- 1997-1999    **European Community, Committee of the Regions, Brussels, Belgium**  
Four times appointed as an Expert to assist a Rapporteur in the CoR Commission responsible for consultations in the field: Transport and Trans-European Transport Networks.
- 1997, 1999, 2005    **European Commission, DGTREN, Brussels, Belgium**  
Appointed as Independent Evaluator for evaluation of research proposals.
- 1997 – 2000    **Transport Research Board, Stockholm, Sweden**  
Member of an evaluation group responsible for reviewing research proposals
- 1988-2006    **Stockholm County, Office of Regional Planning and Urban Transportation, Sweden**  
**Head of Department, later Senior Engineer.**  
**Manager** of the Transport Department responsible for transport and traffic planning, covering private and public transport in connection to regional planning worked out in the Office.  
**Project Leader** for several surveys and investigations concerning travel behaviour, transport standards and overall transport planning in the proposed Regional Plans 1990 and 2000.  
**Assisting Secretary** in the political negotiation group for the **Dennis Package**, a 40 billion SEK investment program for new roads, rails, trains, buses and parking facilities in the Stockholm region, Sweden. (1990-1992)  
**Coordinator** of monitoring and ex-post evaluation of the Dennis Package implementation, Stockholm, Sweden. (1992-1997)

- 1980-1990 **Stockholm County Administration**, Appointed Compulsory Administrator of a Road Association in Haninge, Sweden
- 1986 **Coordinator** of the **Secretariat for the Electoral Board** in Haninge, Sweden
- 1982 **Chairman of an electoral district** in Haninge, Sweden
- 1980-1988 **Haninge Municipality, Non-political Secretary for the local Political Management Committee.**  
Project Coordinator for the Technical Departments in the municipality. Various program and research tasks. Coordination of consultation comments.
- 1973-1980 **Assisting teacher in transport planning, Royal University of Technology,** Stockholm, Sweden
- 1978 **Election supervisor** in Haninge
- 1973-1980 **Haninge Municipality, City Planning Office,** Haninge, Stockholm county, Sweden  
**Head of Unit.** Traffic engineering covering overall to detailed traffic planning.
- 1970-1972 **Orrje & Co – Scandiaconsult,** Gothenburg, Sweden.  
**Head of Unit.**  
Overall transport planning, traffic analysis, cost-benefit analysis, consequence assessments, traffic surveys, traffic design. Mainly with Swedish clients, but also a traffic survey and detailed traffic plan for Galway, **Ireland.**
- 1966-1972 **Assisting teacher in transport planning, Chalmers University of Technology, Gothenburg, Sweden**
- 1966-1969 **City of Gothenburg, City Planning Office, Department for Master Planning, Sweden**  
Overall transport planning for all modes of traffic. Traffic forecasting, design of transport networks, feasibility studies of roads, traffic noise calculations, Strategic consequence assessments
- 1966 **Ingemanssons Ingenjorsbyra, Gothenburg, Sweden**  
Field studies of traffic noise during five weeks.
- 1959-1965 **Various Construction Companies,** Practice at construction sites in **Sweden and Germany,** in total six months.

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**Languages:**

<i>Language</i>	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
Swedish	Excellent	Excellent	Excellent
English	Very good	Very good	Very good
German	Good	Good	Fair
French	Poor	Fair	Poor

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