



Gröna Tåget Programme

The Programme was initiated by Banverket in 2005 to be a jointly vehicle development programme within the railway sector in Sweden (Scandinavia).

Manager for the Programme: Tohmy Bustad, Banverket

Gröna Tåget Programme

Partners within the programme, so far....



BOMBARDIER



Have own projects or are parts in projects.



Used mainly for services



Projects owned by KTH

General more a sub programme within the GT-programme than a single project

Gröna Tåget
High Speed Trains,
part 1 and 2
(2005-2008)

Research leader in General and especially for Technical projects:
Evert Andersson

Research leader for Market, Traffic and Train Concepts:
Oskar Fröidh

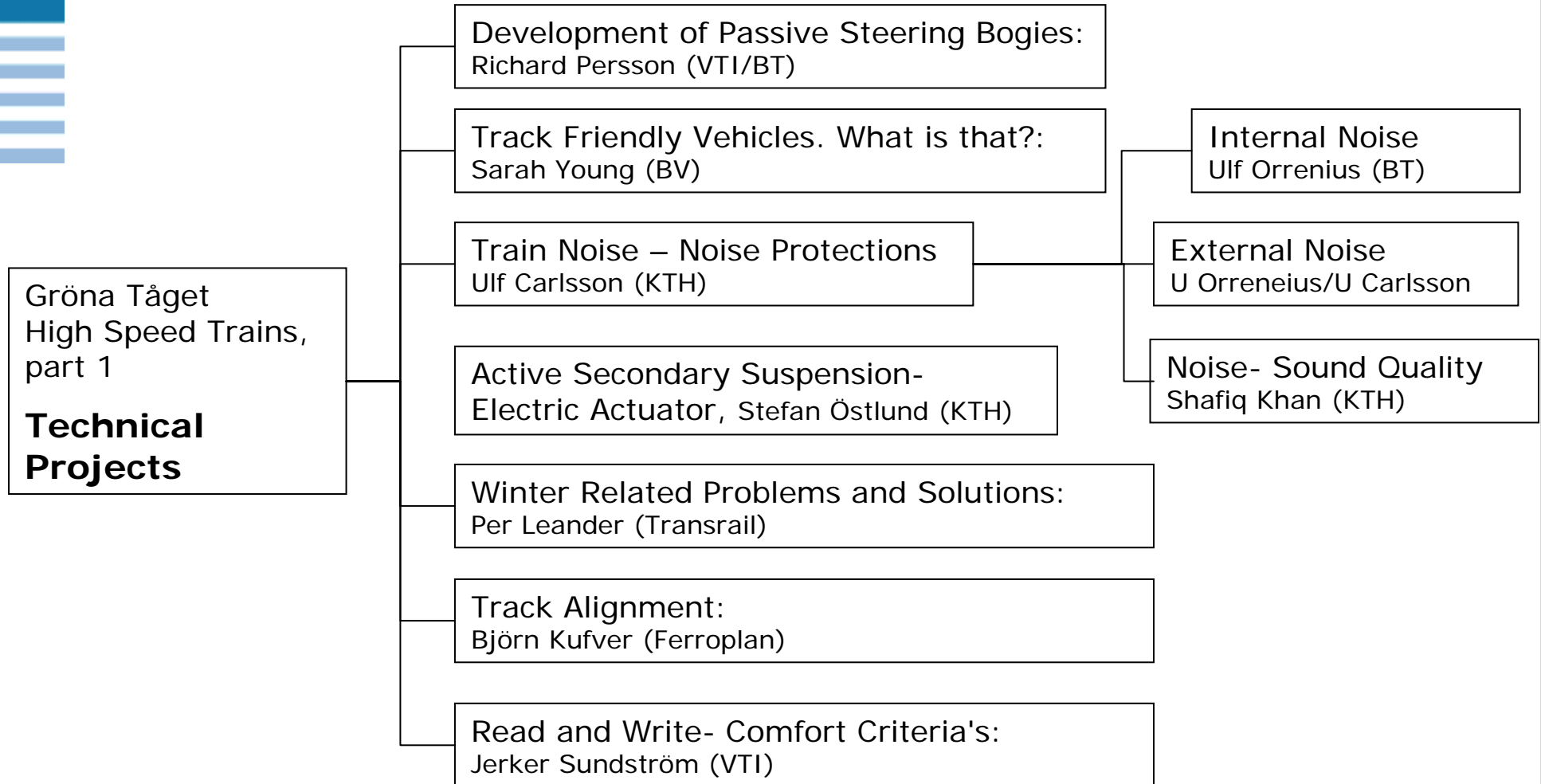
Active Secondary
Suspension in Train
(2007-2009)

Project leader: Sebastian Stichel

System Analysis of
Permanent Magnet
Traction Drives
(2007-2008)

Project leader: Juliette Soulard

Projects owned by KTH, p2.



Projects owned by KTH, p3

Gröna Tåget
High Speed Trains, part 2
Examples of activities within
**Market, Traffic and
Train Concepts**

Critical Travelling Time with Considerations to
Work-, Official- and Private Journeys

Demands on Running-Time and Capacity

Demands on Passenger Environment

Economy Aspects

Possible Train Concepts- "Intercity-Regional"

Projects owned by KTH, p4

Gröna Tåget
High Speed Trains, part 1 and 2
**Examples of not started
projects/activities**

Considerations to TSI- and CEN/CLS- standards

Energy Optimisation

Demands on Track Geometry-Quality

Optimisation Body-tilt-system with Small
Angels

"Gröna Tåget" Specification

Projects owned by Bombardier, p1

Gröna Tåget
High Speed Trains, part 1 and 2
(2005-2008)

Research leader in General
Christer Högström

General more a
sub programme within
the GT-programme than
a single project

Attractive Passenger Environment
(2007-2010)

Project leader: Christer Högström

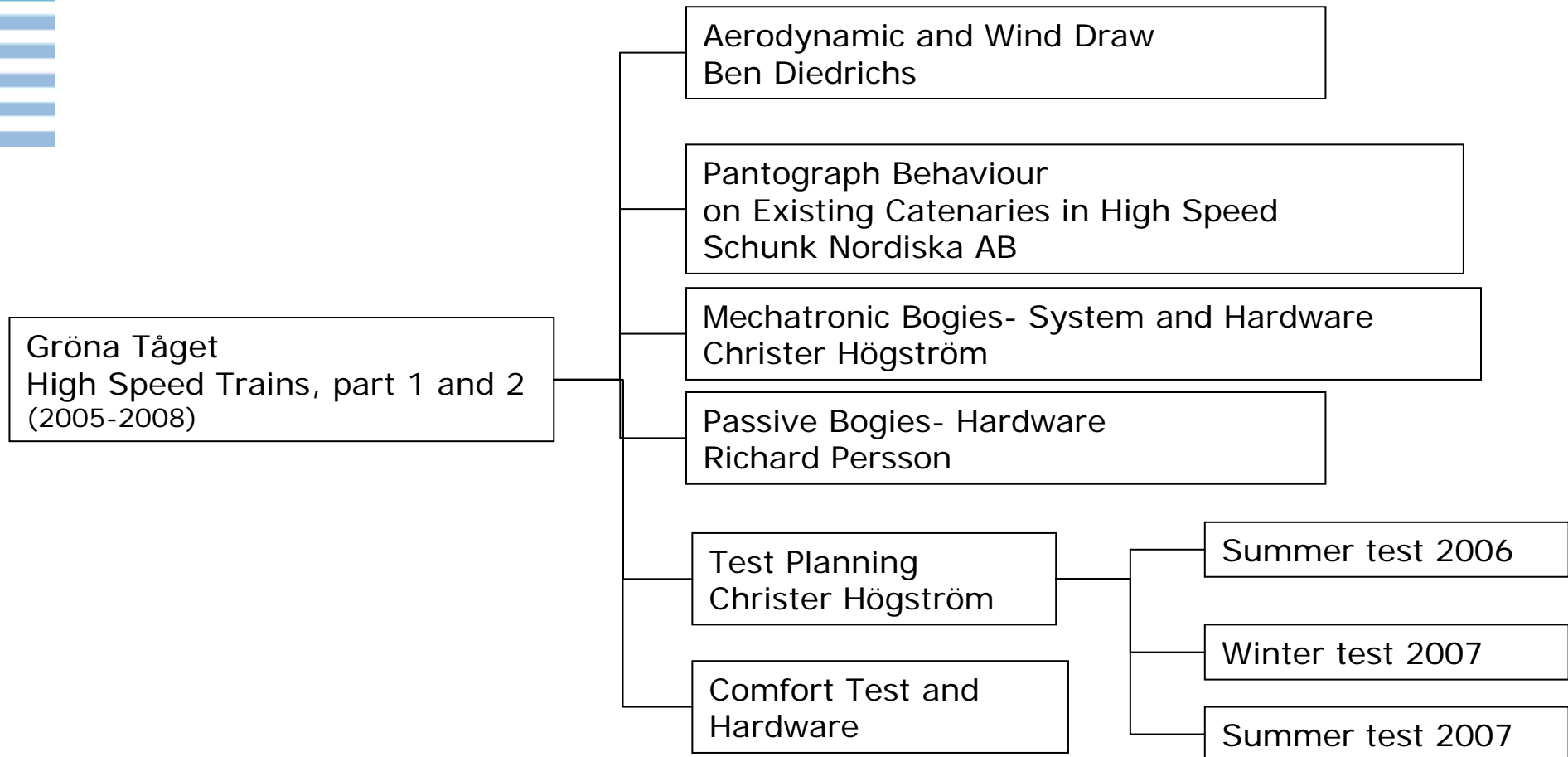
The Green Part of the Gröna Tåget
(2007)

Project leader: Pia Örn

Gröna Tåget- Front Shape and
Slipstream for Wide Body Trains at
Higher Speeds
(2007-2010)

Project leader: Mikael Sima

Projects owned by Bombardier, p2



Projects owned by Chalmers

Design of High-Speed Trains for
Stable Ride in Cross-Winds
(2007-2010)

Project leader: Sinisa Krajnovic

Aerodynamic Optimization of
the Front of High Speed Trains
(2006-2008)

Project leader: Sinisa Krajnovic

Projects owned by Interfleet

Vertical Contact Forces at
Operations with High Speed Trains
on Tracks for Mixed Traffic
(2005-2007)

Project leader: Per Gullers

Measuring Wheels Development
(2007)

Project leader: Martin Bäfverfeldt

Projects owned by VTI and MTO Psykologi



VTI

Optimal Vehicles for High Speed and Small Curve Radii - Development of Technology of Tilt and "Track-Friendly" Bogies (2005-2007)

Project leader: Richard Persson

Driver's Facilities - Gröna Tåget (2007-2009)

Project leader: Lena Nilsson



MTO

Best Practice for Train Driving - Requirements on Train Cab Design, Work Environment and Cooperation- a Pilot Study (2008-2009)

Project leader: Lena Kecklund