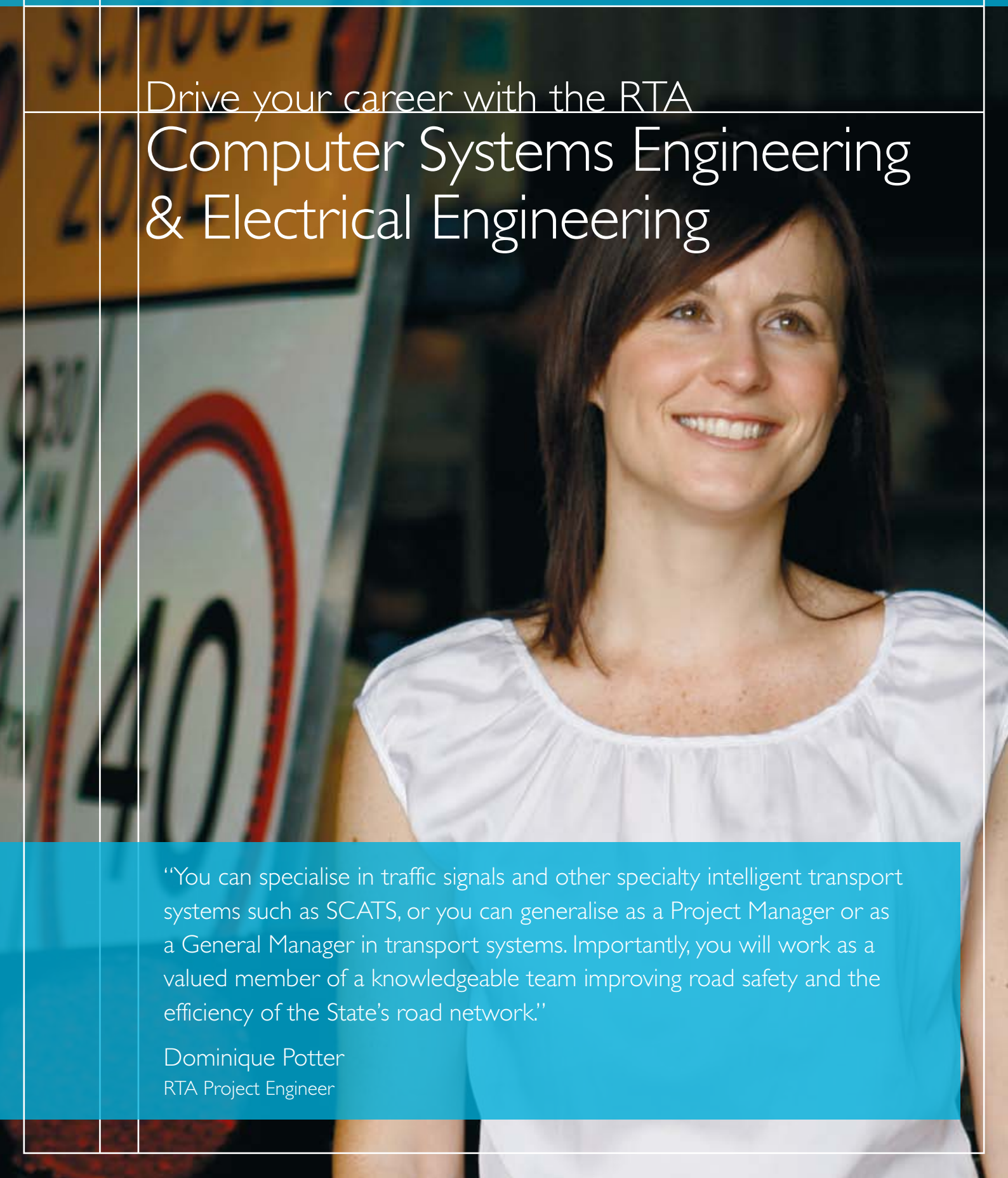
NSW GOVERNMENT

GRADUATES

Investing in a better future

RTA



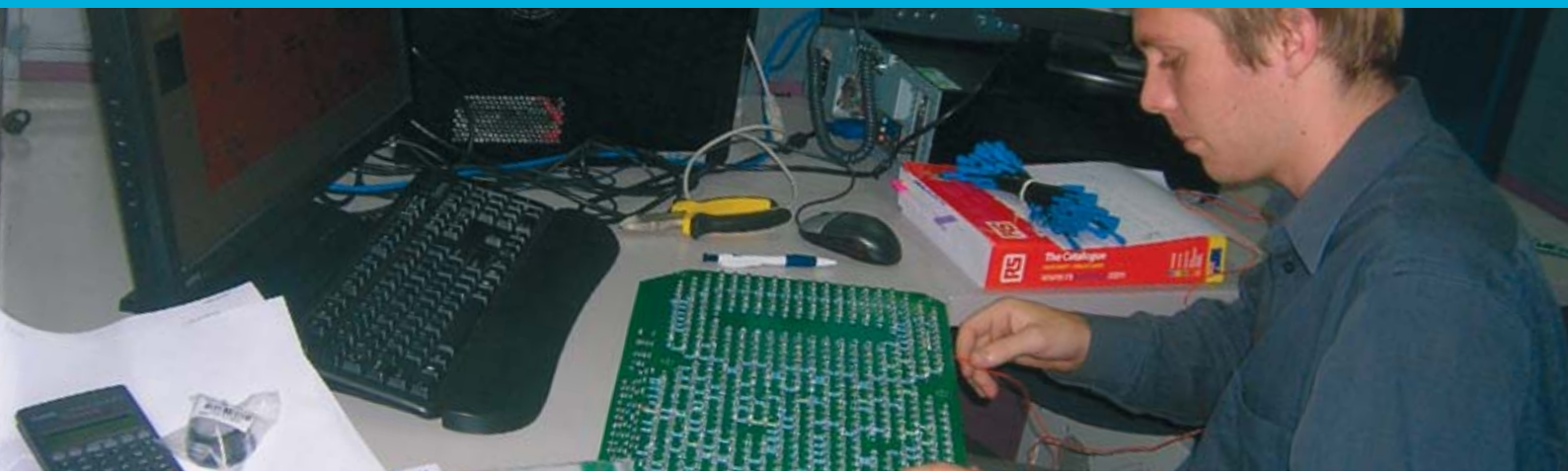
Drive your career with the RTA

Computer Systems Engineering & Electrical Engineering

"You can specialise in traffic signals and other specialty intelligent transport systems such as SCATS, or you can generalise as a Project Manager or as a General Manager in transport systems. Importantly, you will work as a valued member of a knowledgeable team improving road safety and the efficiency of the State's road network."

Dominique Potter
RTA Project Engineer

Computer Systems Engineering & Electrical Engineering



As an Electrical Engineering or Computer Systems Engineering Graduate you develop skills in transport management and the technology behind the system such as: Sydney Coordinated Adaptive Traffic System (SCATS) which controls and co-ordinates signalised intersections; public transport information and priority systems for buses; road safety systems such as the flashing lights at school zones and enforcement systems such as speed cameras.

What you would do

You will become experienced in:

- Design, prototyping and testing of new products for variable messaging signs (VMS) and variable speed limit signs (VSLS).
- Conducting feasibility assessments and requirements analysis for projects in road safety such as school zone flashing lights, speed management, security systems, incident management.
- Traffic signal co-ordination.
- Infrastructure protection such as electronic security and Safe-T-CAM for key assets including Sydney Harbour Bridge and Anzac Bridge.
- Computer Applications: software/servers, control centres, communications (radio, fibre optics and emergency phones).
- Preparing traffic signals specifications and testing.
- Technology to measure weights and sizes of trucks in Heavy Vehicle Checking Stations.
- Tunnel and Motorway Services – street lighting, environmental instrumentation, water treatment, industrial control.
- Testing and supporting Incident Management Systems using traffic detectors, Close Circuit TV, VMSs and VSLSs.
- E-Tolling systems.
- Project managing traffic systems related projects.
- Developing electronic instrumentation to monitor the health of civil engineering infrastructure such as bridges.

Where you could work

Computer Systems Engineering and Electrical Engineering Graduates can work in any of the following leading edge areas:

- Transport Management Centre (TMC)
- Security Control Room
- Traffic Systems
- Intelligent Transport Systems Projects
- Sydney Road Services
- Vehicle Regulations and Camera Enforcement Branch
- Motorway Maintenance & Coordination and Network management
- E-Tolling
- Crashlab
- Traffic Engineering Technology
- Traffic Equipment Standards
- Asset Management for Traffic Services or Traffic Management
- Information Management & Information Technology

About the RTA's GRAD program

Our comprehensive two to three year program offers graduates the opportunity to develop a wide range of skills in a variety of environments, working in teams with highly experienced professionals while receiving ongoing support from a dedicated mentor.

Graduate profile

Raed

"My work at the RTA is interesting, diverse and educational."

"The RTA is a large organisation with many opportunities to work on many different projects. I like the responsibility given to us by the project managers, and I also enjoy the flexibility in the working environment.

My best work experience has been working on the top of the Sydney Harbour Bridge taking in the views, as well as understanding the complex security systems used on the Bridge."

For more information:

www.rta.nsw.gov.au/careers | 13 22 13 | E graduates@rta.nsw.gov.au

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