

Course duration

1-2 days

Location

- Tasmania, Australia (includes site visits)
- Client site as negotiated

Transmission corridor planning

The transmission of power from an energy generation project forms a key component of project viability and early planning can facilitate a clear understanding of risks and how they can be avoided or managed.

This course provides an overview of approaches to transmission corridor planning, covering a range of risks and issues that need to be considered so as to limit cost, minimise negative effects, and maximise opportunities to enable commercial, regulatory and community outcomes.

The course draws on Entura's depth of experience based on our long history of involvement in the development, operation and maintenance of electricity networks in Australia and, in particular, the transmission planning for a host of renewable energy projects around Australia and internationally.

After completing the course, participants will have a good understanding of the key issues and approaches for transmission corridor planning.

Course content

Line parameters

- Voltage selection
- Insulation level
- Structure types

Site selection

- Route selection
- Access
- Corridor and centreline selection
- Easements/wayleaves
- Dealing with uncertainty
- Geographic information systems techniques

Risks and opportunities

- Electric and magnetic fields
- Environmental impacts
- Visual effects
- Geology
- Landowner and community engagement
- Shared corridor opportunities

Operation and maintenance considerations

- Landowner requirements
- Vegetation management
- Bushfire mitigation and control
- Line patrols

Participant profile

- Junior engineers
- Energy project developers
- Planners
- Managers with project or general oversight responsibilities

Learning objectives

To provide participants with an understanding of key issues in developing a transmission corridor that meets technical, commercial, planning, environmental, and community requirements.

Learning methods

- Lectures
- Case studies and scenarios
- Discussions

Course providers

Entura's lecturers include:

- accredited training professionals
- technical specialists and professionals with extensive experience and qualifications in electrical engineering
- customisation.

This course can be customised to suit specific regional, program, or project needs and/or can be combined with other technology specific courses on project development.



Course Director

Dr Amanda Ashworth
+61 417 503 692
institute@entura.com.au

www.entura.com.au/institute

 **entura**
Hydro Tasmania

clean energy and
water institute