



# REDUCED EMISSIONS WITH INCREASED SAFETY

How to build risk-reduction into major infrastructure projects

Envision Energy, winner of the 2019 Duty of Care Awards for Belt and Road Initiative, achieved dramatic reduction in safety incidents across its wind turbine projects.

Envision Energy (Jiangsu ) Co. Ltd, based in China, is the leading wind turbine technology company worldwide. Like many Chinese companies, Envision is heavily involved in major infrastructure projects, in China and elsewhere. However, working with wind turbines is not hazard-free. Large heavy components, working at heights, unpredictable weather conditions and remote locations, are just some of the challenges presented in this environment.

In response, Envision Energy has developed clear commitments, both to the environment and its employees.

## As Jingyun Zhou, Staff EHS Engineer sets out:

"Envision is committed to creating a world of beautiful energy where everyone has access to clean, secure and affordable energy, and at the same time to protecting our employees working in remote sites or frequently travelling around the world. To deliver this, we carefully design our products and plan our projects and operations, with the aim of identifying potential hazards and managing risks at every stage."

## Multiple approaches underline this commitment:

### Involving Everyone

Envision Energy's EHS programmes combine senior management leadership with participation by all employees. For example:

- To emphasise management leadership and commitment to EHS matters, in its weekly managers' team meetings, departmental heads are required to lead an EHS-related discussion. Outcomes are reported back to the senior management team.
- To engage employees, since 2014, June has been dedicated as 'Envision Safety Month'. Throughout the month all employees are involved in a variety of safety-related activities, aimed at spotting hazards and promoting safe working practices.

## Including Stakeholders

National Safety Day in India is held on 4 March each year, organised by the National Safety Council. On the Day itself, and during the whole of that week, many events take place to raise awareness about, and help prevention of, accidents at work.

National Safety Day was particularly important for Envision in 2019 as it embarked on its new EHS policy and practices. Managers, employees and workers at different project sites and yards took part in activities supporting the theme of 'Cultivate and Sustain a Safety Culture for Nation Building'.

The EHS team organised poster-making and a quiz competition on safety issues. All the employees enthusiastically participated in the competitions and winners were awarded during a prize giving ceremony held that evening.

Involving other stakeholders was an important part of these activities. For example:

- National Safety Day was celebrated at the Envision storage yards at Kagheshree and Kagvad Gujarat. The EHS team distributed safety badges to the participants, seminars were organised, and the EHS team and client representatives worked together to address the staff on safety measures and procedures.
- At the Kagashree Wind Project, Envision invited the client to give the key safety speech on Safety Day.
- At the Mozura Wind Project, Montenegro, local employees and expats from China worked together on training and rescue drills to refresh their knowledge and practice their skills.

Road Safety Week is another event supported by Envision Energy and again it is aimed at a broad target audience. It aims to raise both employee and public awareness about traffic rules, to help reduce road traffic accidents and fatalities. The programme covers the dangers of drink-driving and speeding; the importance of wearing helmets and seat belts; and includes defensive driving training. Employee engagement is enhanced through a quiz and a painting competition with road safety as a theme.



### Positive Results

Envision tracks its safety performance using industry metrics. These reveal that its efforts have clearly paid off. For example, in 2018, TRR (the total recordable case rate, based on 200,000 working hours) was decreased dramatically, from 1.782 in 2013 to 0.184. This applies to both contractors and subcontractors working in Envision's factories and on wind sites.

### For the Long Term

A further essential feature of Envision Energy's approach is the long-term nature of its projects.

### As Jingyun Zhou concludes:

"Envision delivers energy products and services to people in locations all across the world. Our long-term mission is to deliver Duty of Care for all employees in each of these locations. We will continue to do this by working with world-leading service suppliers and engaging in further risk mitigation projects."

### Key Elements

Finding novel ways to continuously engage employees in a diverse range of safety awareness initiatives.

Emphasising management commitment to safety-related matters.

Involving other stakeholders in EHS initiatives.

A long-term approach to risk mitigation.