

Good morning Minister Indranee Rajah, Minister Prime Minister Office, and Second Minister for Finance and National Development; fellow Professional Engineers and Distinguished Guests,

1. Thank you Minister for gracing this annual event, where new Professional Engineers gather to receive their certificate, testimony of their engineering skills and professional ethics. All the Professional Engineers present will renew their pledge at the end of the event, to reaffirm again their professional responsibilities in ensuring public safety as we work as a team to continue to develop Singapore.
2. As we reflect on this Day of Dedication, and the theme for the event, Resilience becomes a keyword in this world of changing environments and new challenges. Resilience is being tough, able to successfully adapt to circumstances that are sometimes beyond our control. As Maya Angelou said, "I can be changed by what happens to me, but I refused to be reduced by it."
3. Our present framework for construction involves engineers, architects, quantity surveyors, developers and contractors. In the past, the consultants will design to what the developers envision, and then ensure that the contractors build them accordingly. Framework has changed, including procurement systems like Design & Build, where the consultants work with the contractors to develop optimal designs.

The next step would be Collaborative Contracting. All these new frameworks will change the current eco-system, and lead to better communication and alignment of interests.

4. These changes are necessary to ensure our resilience to a changing world where it is essential to avoid conflicts and misalignment of commercial interests. The framework has to be structured where every stakeholder sees the benefits. This is structured resilience.
5. With new challenges in a changing environment, we have to continue to upskill ourselves, through studies and research. It is important that we do not rest on the basic engineering skills that we have learnt in our first degree. Engineers are going to be needed as the nation looks at coastal protection in view of climate change. But the engineers must have the correct skills, and this is where educational resilience comes in. Learn more, so that you will continue to be relevant in a changing society. PUB will elaborate more on our roles later.
6. The industry has continuously adopted technology to reduce mundane tasks, and enhance collaboration among all parties – authorities, developers, consultants and contractors. Our current corenet system has enabled us to be sustainable, by reducing paper printouts, and efficient, through submission by internet. Corenet X will enhance this, as there will be more collaboration among the authorities and

consultants. Together with the use of Building Information Modelling, we will enter into a sustainable world where digital transformation is key, and collaboration essential. Please update yourselves on Corenet X, and how we can use it to make our industry even more efficient.

7. Today, we are presenting certificates to 98 new Professional Engineers. You will be part of the PE community that will be helping to transform Singapore into a Resilient and Sustainable City. As you attain this pinnacle of your engineering career, treasure this achievement and respect the profession that you have chosen. Because with such great recognition comes great accountability.

8. We are also celebrating Innovation today. And as we congratulate the two recipients for the Innovative Professional Engineer Award, we must always bear in mind that innovation is not compliance. Innovations are new approaches and ideas that engineers enter into with clear engineering judgement, safety assessment and due diligence, and definitely not blind compliance to existing legislations. The Authorities can encourage innovation by being more open to new approaches and ideas. The Professional Engineers must in turn reassure the Authorities that what are being implemented are based on sound engineering assessment. Collaborative engineering will lead us to more innovation.

9. Being a Professional Engineer is a calling that you are answering to.

As engineers, we want to create that which has never been, yet not forgetting public safety. We want to be resilient, we want to be sustainable. It has always been a challenging task, but we are ready to put our brains, skills and experience together and develop solutions to the myriad needs of the community. Besides protecting public safety, be ethical. Do what is right, and good for the community.

10. Congratulations to all the recipients. Innovative Professional Engineers, Professional Engineers, Specialist Professional Engineers, Accredited Chartered Professional Engineers and Gold Medal winners.

11. Thank you.