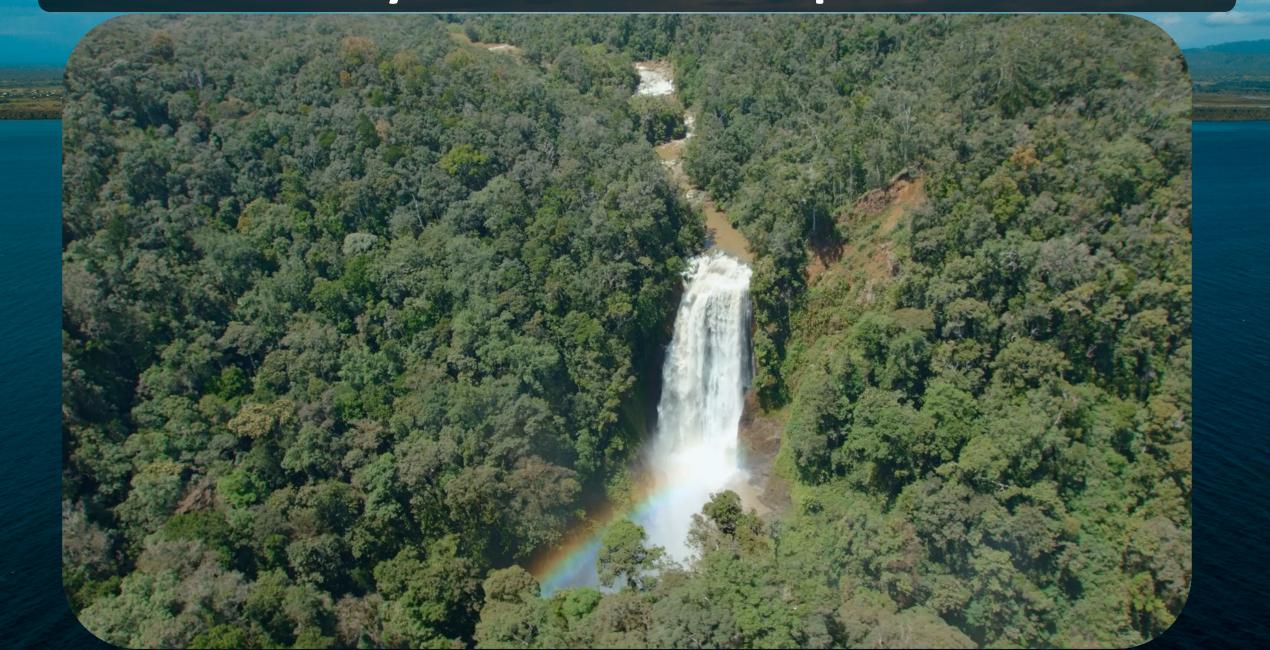


## PNG LNG – 10yrs of world class performance



#### Leveraging data to drive innovation

"The goal is to turn data into information and information into insight."

~ Carly Fiorina, former chief executive officer, Hewlett Packard.

Data is at the heart of complex operations

Innovative organizations turn data into insights which drive action

Since startup, EMPNG has brought industry-leading innovation to PNG, and is currently producing above design capacity due to data-driven debottlenecking and optimizations

Continuing to take data-driven innovation to the next level:

- Advanced process control systems enhance plant performance
- Next generation machine learning tech to derive insights
- Real-time optimization software which can automatically adjust operating parameters
- Predictive and condition-based maintenance
- Enabled through data foundation and support structure

#### Connecting the data to the expert – Fast!

Smart Tools used at the job site, connect the worker to the information they need and the information they collect to where it is needed quickly



and systems where once bef

cically from equations are considerated or possible

"With data collection, 'the sooner the better' is always the best answer."

~ Marissa Mayer, IT executive and co-founder of Lumi Labs, former Yahoo! president and CEO

### Visualizing the data in context

A foundation of trusted data designed as a "system of reference" for visualization tools

Various software platforms utilize the data foundation to translate the data into visual contexts

Process mining software providing insight into improvements that save time and money

A digital twin of the facility to visualize information in context of a 3D environment

"People spend 60% to 80% of their time trying to find data. It's a huge productivity loss."

> Dan Vesset, group vice president, IDC

# ExonMobil