

PSCAD V5

A General Overview of PRSIM & PSCAD Initializer

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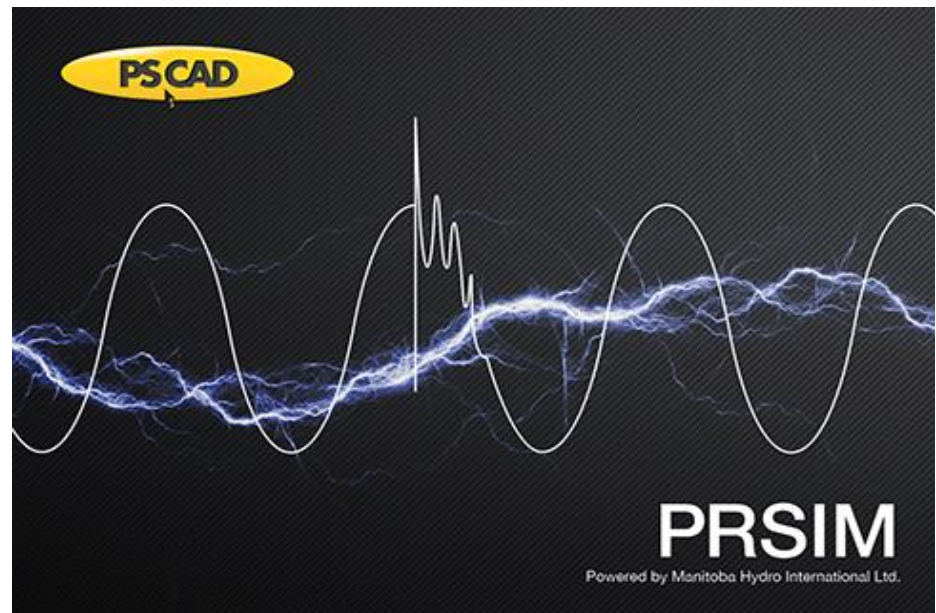
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Today's Agenda

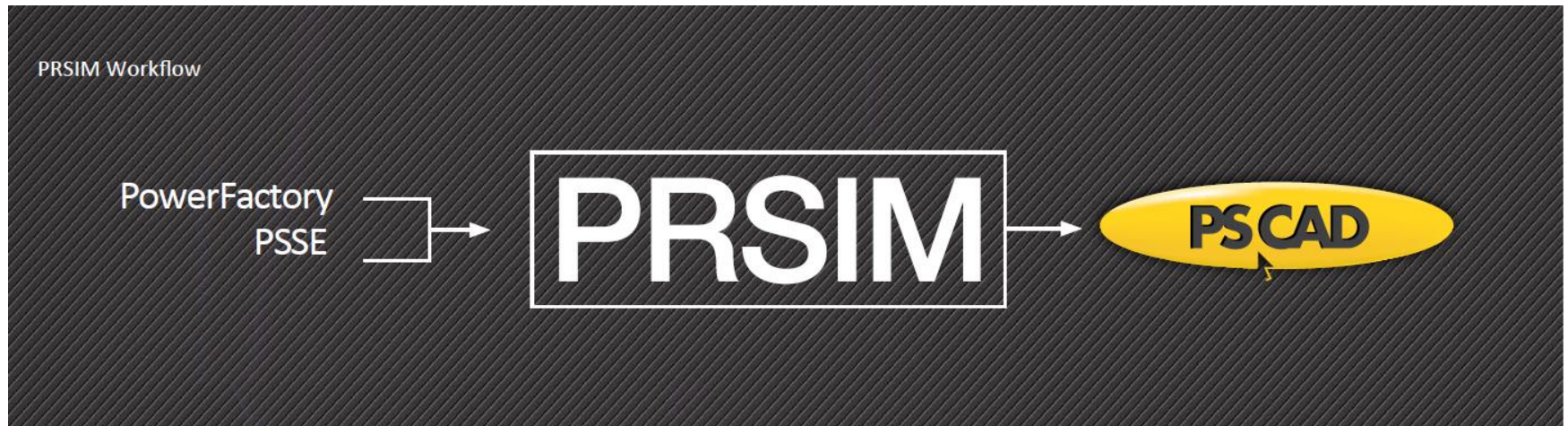
- Introduction
- What PRSIM offers?
- How PRSIM works?
- Features Demos
- PSCAD Initializer



Why PRSIM?

Bridging the gap between loadflow/stability & EMT programs

- ✓ PSS/E
- ✓ PowerFactory





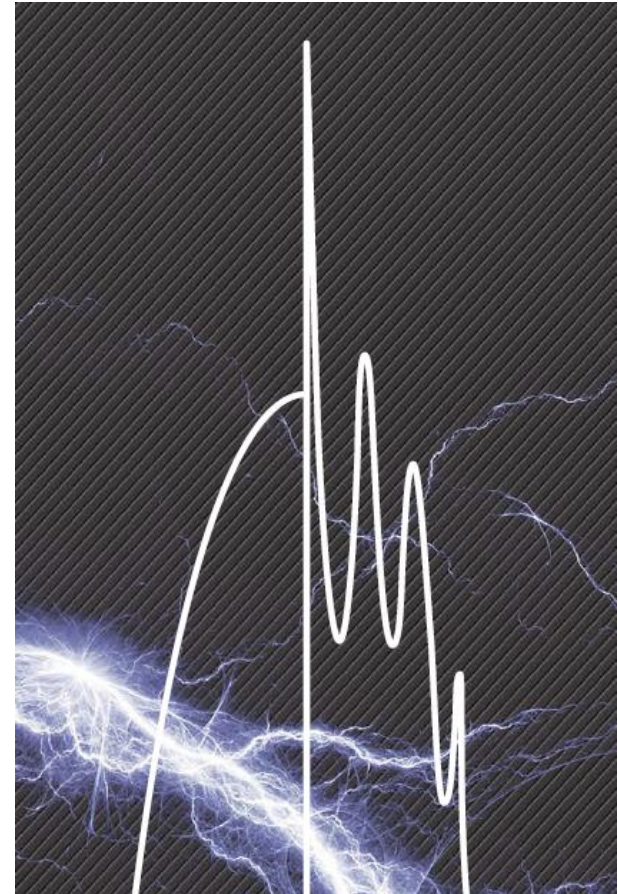
PRSIM V1

PRSIM Features and Unique Offerings

What PRSIM offers?

Challenges

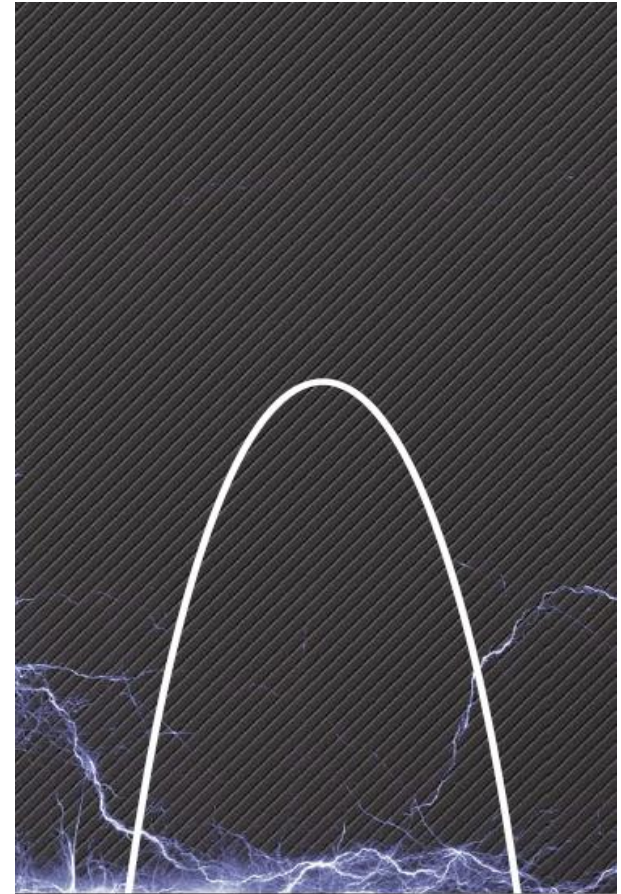
- ✗ Non-standard Data Formats
- ✗ Missing Information
- ✗ Wrong Data Entry
- ✗ Mismatching Results
- ✗ Existing PSCAD Models



What PRSIM offers?

Features

- ✓ Network Data Import
- ✓ Dynamic & Sequence Data Import
- ✓ Auto-routing Using System Coordinates
- ✓ Network Equivalents Representation
- ✓ Re-initialization of PSCAD Cases
- ✓ User Defined Libraries

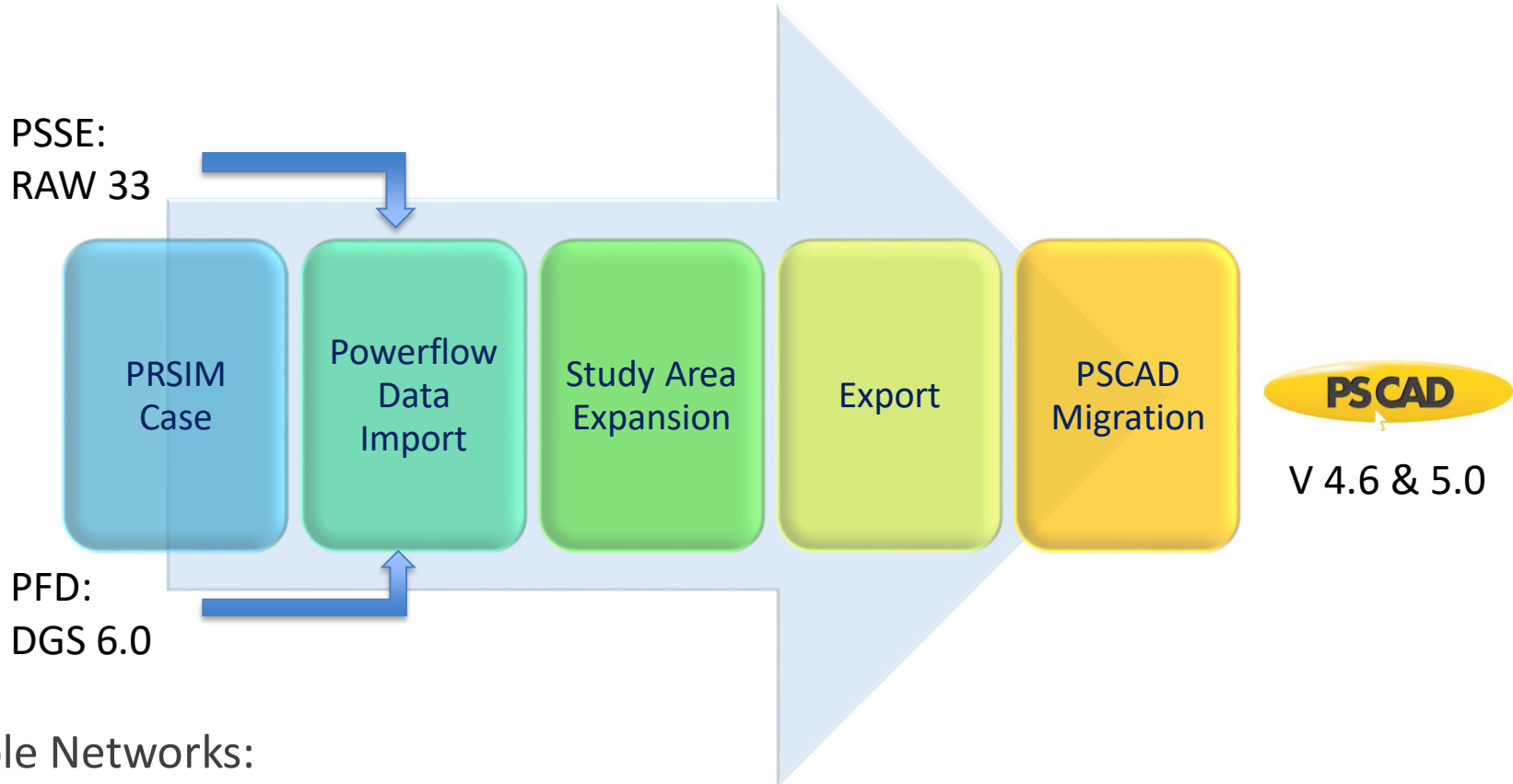




PRSIM V1

Data Translation Process

How PRSIM works?



Example Networks:

Kundur 2 area system, IEEE 9, 14, 24, 30, 39, 57, 68, 96, 118, & 300



PRSIM V1

Feature Demos

1. Network Data Import



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Feature Demos

2. Auto-routing Using
System Coordinates



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Feature Demos

3. Dynamic Data



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Feature Demos

4. User Defined Libraries



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Feature Demos

5. Network Equivalent (NETEQ)



PRSIM V1

Feature Demos

6. Re-initialization



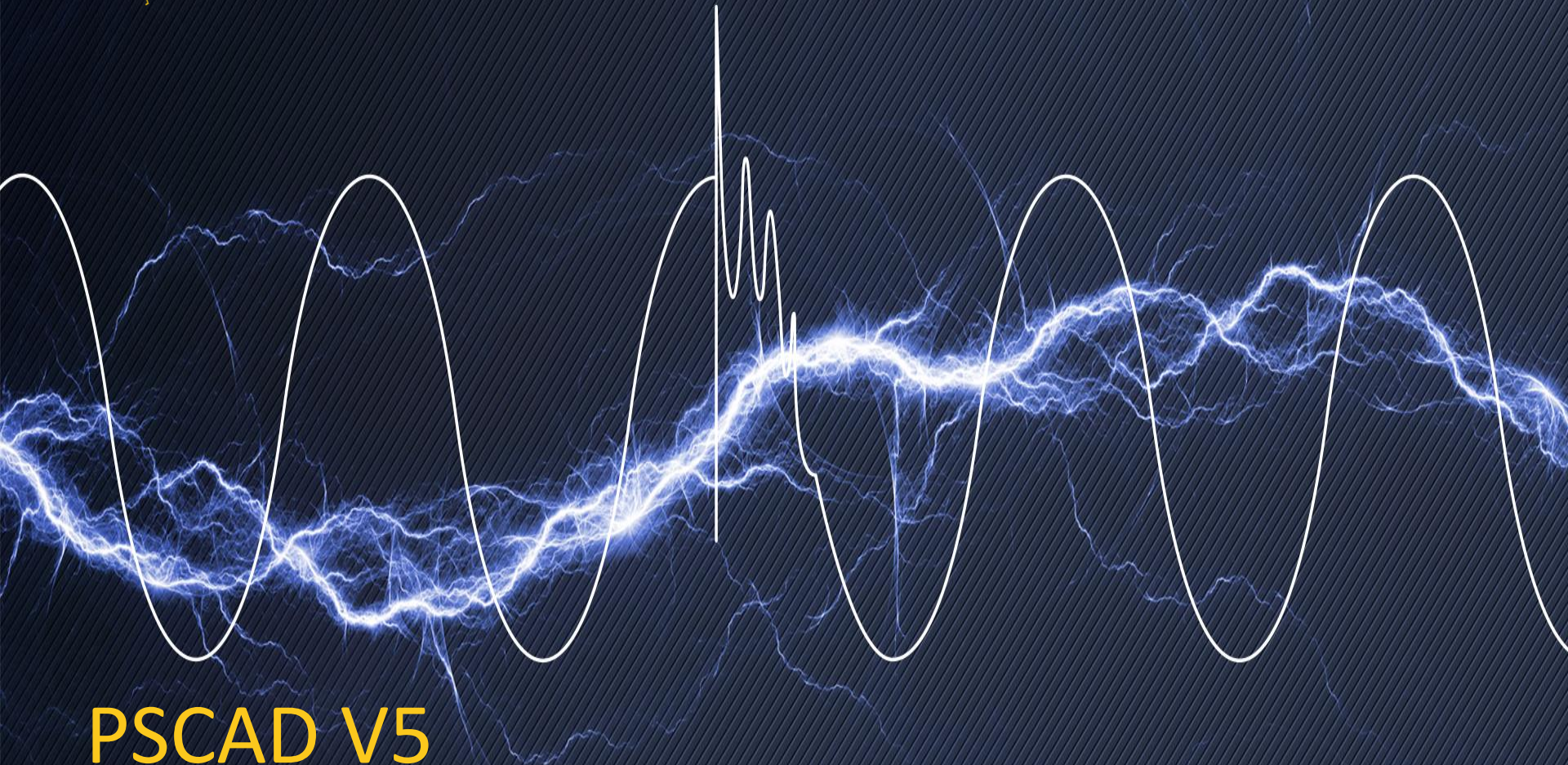
THANK YOU!



QUESTIONS?

PRSIM Team – support@mhi.ca

Subject: PRSIM V1 WEBINAR



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