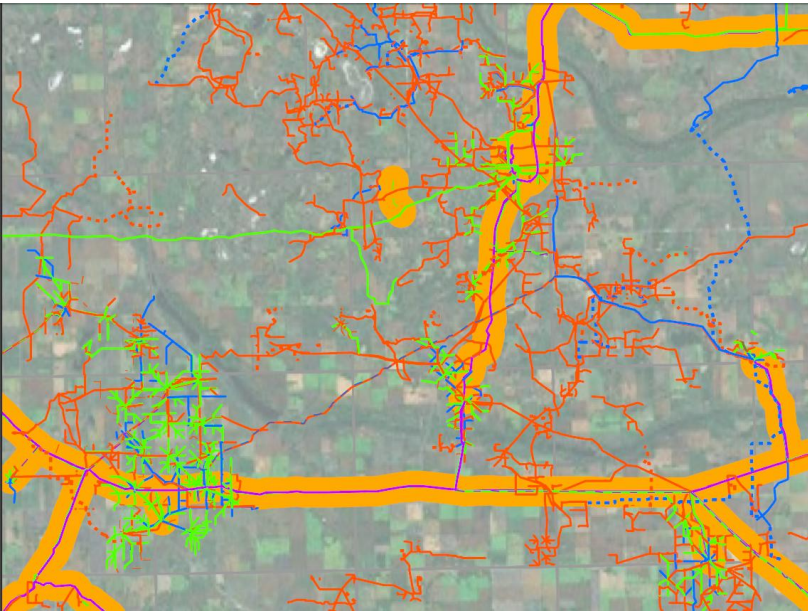


The Business Domain was Complex and Performance Critical...



- Scheduling flow for 30% of Canada's heavy oil products

- Complex blending calculations
- Real time capacity management
- Invoicing



Expression Builder

Functions Indices Domain Data

Math Functions

- Abs()
- ACos()
- ASin()
- ATan()
- Average()
- Ceiling()
- Cos()
- Degrees()
- Exp()
- Fact()
- Floor()
- Frac()
- If()

Data Functions

- BlendDensity()
- CurrentMonth()
- CurrentYear()
- DaysInMonth()
- DiluentConnectionDensity()
- DiluentConnectionGrossVolume()
- HeavyConnectionDensity()
- HeavyConnectionGrossVolume()

Expression

```
26900*If((DiluentConnectionGrossVolume() + HeavyConnectionGrossVolume()) > 0, DiluentConnectionGrossVolume() / (DiluentConnectionGrossVolume() + HeavyConnectionGrossVolume()), 0)*Power(100-100*If((DiluentConnectionGrossVolume() + HeavyConnectionGrossVolume()) > 0, DiluentConnectionGrossVolume() / (DiluentConnectionGrossVolume() + HeavyConnectionGrossVolume()), 0),0.819)*Power(1/DiluentConnectionDensity()-1/HeavyConnectionDensity(),2.28)
```

Emulator

Name	Value
DiluentConnectionDensity()	
DiluentConnectionGrossVolume()	
HeavyConnectionDensity()	
HeavyConnectionGrossVolume()	

Result : null

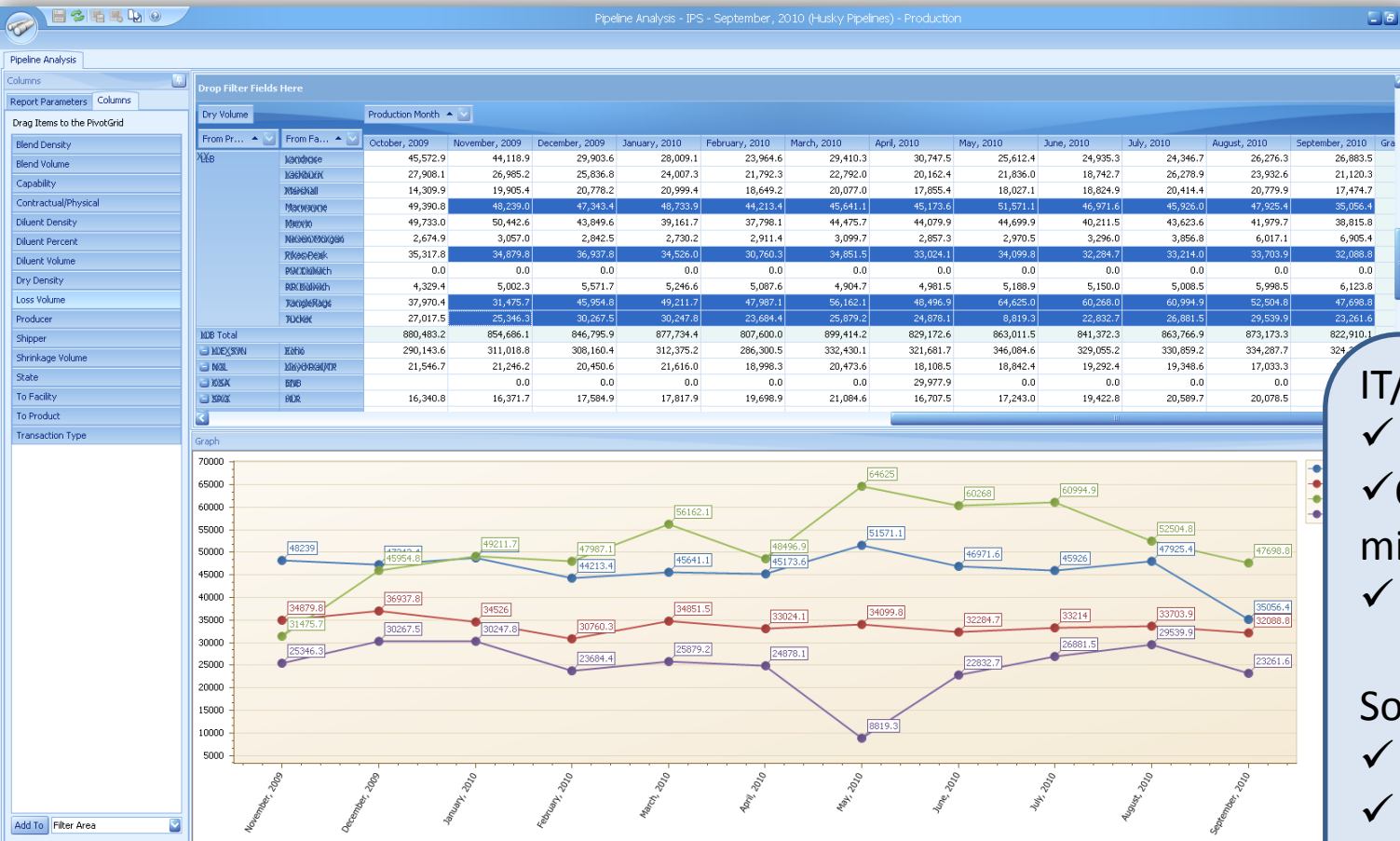
OK Cancel

The Team Was Up For the Challenge and Created Great Solutions



Team during
site visit to
Lloydminster

The Project Succeeded with High Business Satisfaction



IT/Business:

- ✓ Improved relations
- ✓ Old technology risks mitigated
- ✓ SR&ED tax credits

Solution:

- ✓ High Quality
- ✓ Full Scope
- ✓ Adaptable

Project:

- ✓ On Time
- ✓ Under Budget
- ✓ Exceeded goals



Mike Griffiths, PMP