

# Creating CI at NOVA Chemicals – Driving Improvement Through a Strategic Implementation Approach

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## Today's Agenda

- About NOVA Chemicals
- Cl at NOVA

- The Framework
- Coaching
- Learnings/Results







# NOVA Chemicals



#### **Number of Employees**



**2,900** worldwide



Annual Sales, 2017 (U.S.\$)



\$3.8 billion



#### Leadership

**Todd Karran** President and CEO



#### **Products**

Ethylene and Polyethylene Chemical Co-Products **Expandable Styrenic Polymers** 



**Community Investment/Giving** 

\$2.4 million (USD)

6,000 hrs



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our core values and practices

#### Mission

To be the leader in innovation that enables our customers to deliver plastic products that make everyday life healthier, easier and safer.



To help shape a world where products vital to our health and happiness are even better tomorrow than they are today.



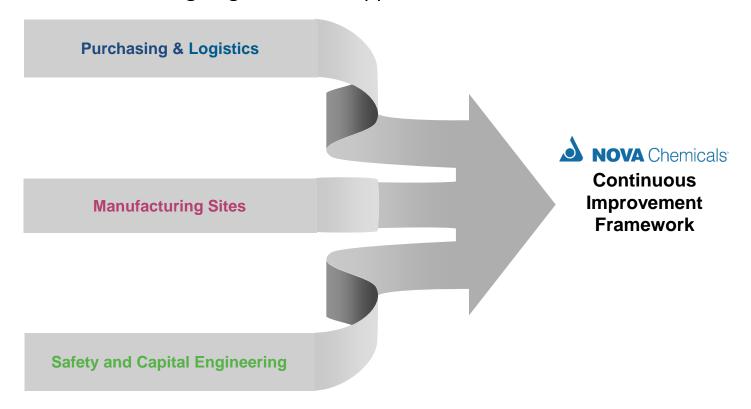


**Game-changing technology Actively sought after** 





# Started with many different CI approaches across functions and wanting to go a 1NOVA Approach



We built upon the best of what has worked internally and lessons learned from external GO-See's to create our 1NOVA CI Framework.





## Four key ideas emerged from our vision statement

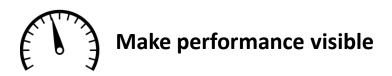
- Expectation is to have empowered and engaged employees
- CI must be aligned with business priorities and metrics
- CI is the system to improve our performance
- Coaching and leadership are the critical drivers

# Four principles ground CI in the design and the execution





Standards are the basis for improvement





Be deliberate in how we improve

Principles create waves of EXCELLENCE!





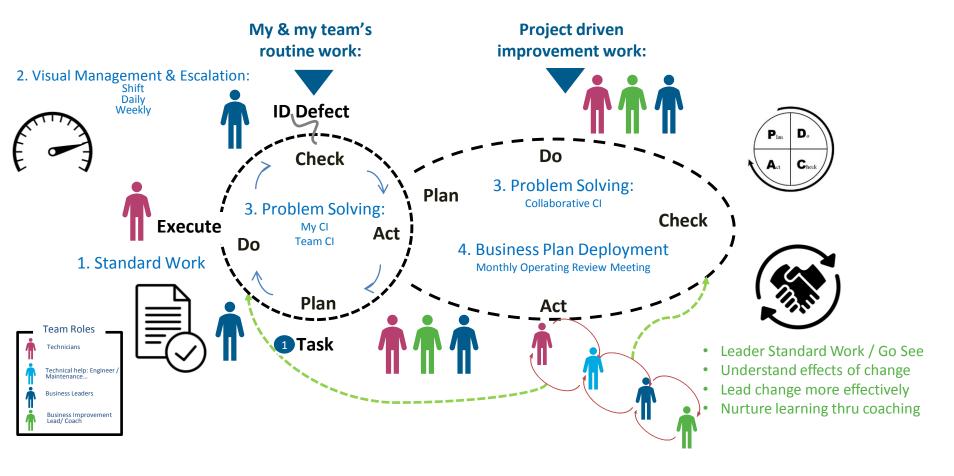
#### 4 Technical Elements

- ■Business Plan Deployment
- ■Visual Management System
- Problem Solving
- ■Standardized Work

#### 4 Human Elements

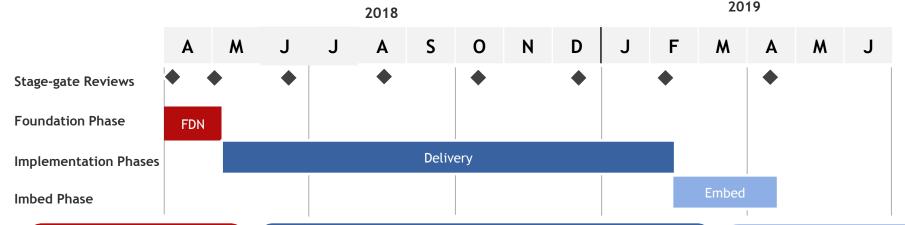
- ■Understanding Change
- ■Leading Change
- Learning and Coaching
- □ Leader Standard Work

# Our CI system we call the 4:4:4 Framework





#### Each implementation would follow a similar structure or model for each facility



#### **Foundation**

- Go See: current state
- Leadership engagement
  - Business plan/ deployment (BPD)
  - Agree project plan
- Establish comms and governance
- Develop coaching assignments and contracts

#### Delivery

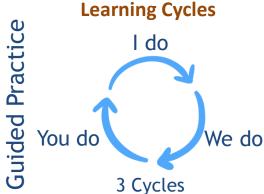
- •Design and implementation of visual management system
- •Train and practice structured problem solving
- •Start to practice basic LSW
  - •Go-See
  - PDCA linked to standards
- •Formalize LSW for Leaders
- •Learn and practice standardized work
- •Training and practice complex problem solving (DMAIC style)
- •Human elements coached to maturity

#### **Embed**

- •2nd cycle of BPD
- •CI training based on role
- Assess and adjust phase 1& 2 implementations
- Performance coaching to close gaps and maintain system through LSW



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of learning

#### Coaching



Commitment 1x/week

#### Content

**Principles** 



**Technical** 

- · Visual Management Problem Solving
- Standardized Work • Business Plan

12 areas of

development

Deployment

Human

- Leader Standard Work Understanding Change
- Leading change
- · Learning and Coaching Models

~70%









External



Internal: **Benchmark** 



External: **Benchmark** 

~20%

Education



**Training** 



Self Study: Video



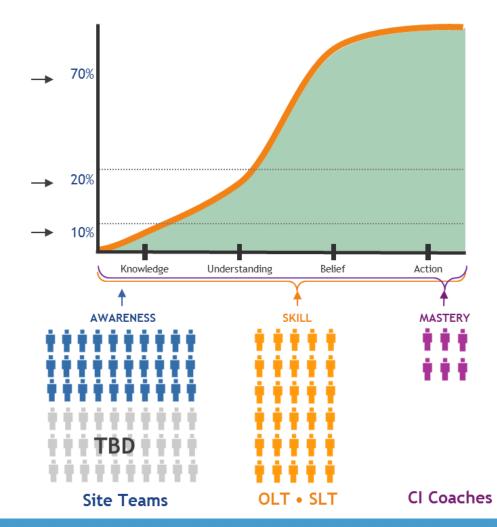
Self Study: Network



Self Study: Reading

~10%

## **Leverage 70/20/10 Learning Model**







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## **COACHING STYLE & APPROACH**



We facilitate intent, we don't control the outcomes





We recognize constraints lead to creativity



We adopt shared standards personal standards



## **COACHING STYLE & APPROACH**



We help leaders solve their business problem (versus implementing tools)



We learn from what's been done before



We provide clarity around a CI perspective



We believe coaching is personal, its not an assignment



We recognize ownership belongs to NOVA leaders





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## **SAFE**

## **COMPETITIVE**

Risk Management

Rate Records

Leadership Alignment

**RELIABLE** 



# **Major Takeaways**

- Strong leadership pull is required to affect and support change
- Using SME's in CI and change management can help to speed up progress and improve company ownership
- Communicate Communicate
- Changing habits and behaviors takes time and requires organizational tension.





# **Conclusions**

Being **STRATEGIC** is key for us Success is both tools **and** behaviors **EMBED** through **COACHING** 





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# Thank-You

This journey has been helped by many people!



## Thank You!

Your opinion is important to us!

Please take a moment to complete the survey using the conference mobile app.

Session No: WS/26

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