

Webinar

# Digital Transformation of the Last Planner System®

Rick Kennedy  
Alan Boykiw

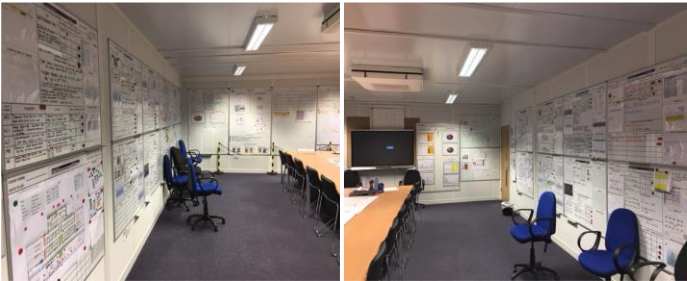
Tuesday, October 5, 2021

# Who is Nialli?



Decades of  
collaboration innovation

Deep experience in interactive technology,  
collaborative applications, and  
digital transformation of analog processes



David Martin - invented  
interactive whiteboard

Collaborative software  
Big room and remote

SMART IPO



Span Workspace  
Interactive wall

Nureva Room Audio Systems

Research project for Digital  
Last Planner collaborating  
with PCL Construction

First major project  
\$1.4B hospital

Nialli™ Visual Planner

NVP for Design & Preconstruction

Nialli Workspace

1987

1991

2002

2010

2014

2018

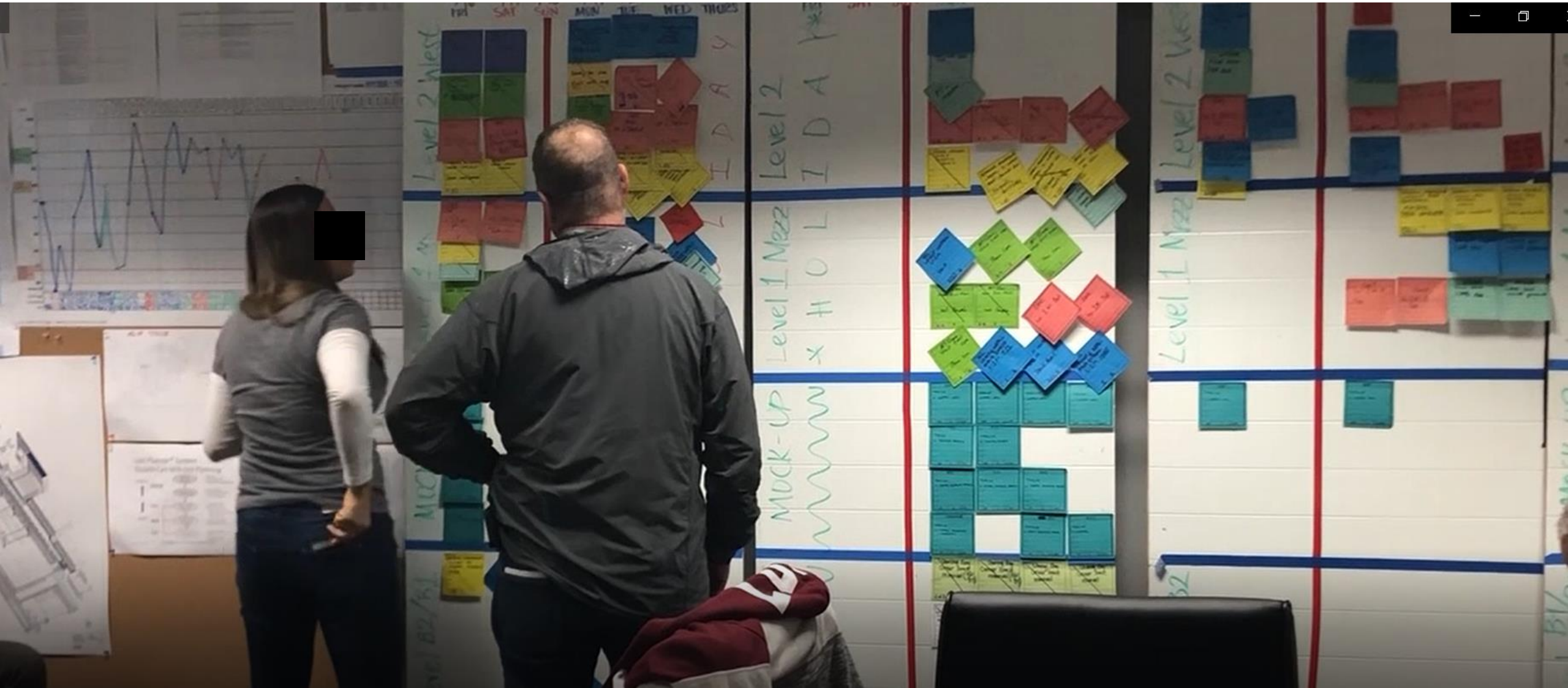
2020

2021

Nancy Knowlton, David Martin  
Co-founded SMART Technologies

Nancy Knowlton, David Martin  
Co-founded Nureva

# Ethnographic Research: Pull Planning





## Remove waste

- Filling out repetitive tags
- Moving multiple activity tags
- Counting tags for PPC
- Capturing reasons for variance
- Setting up, recording and accessing plan

## Maintain from analog

- Understandable
- Visual
- Ownership
- Trust
- Conversations

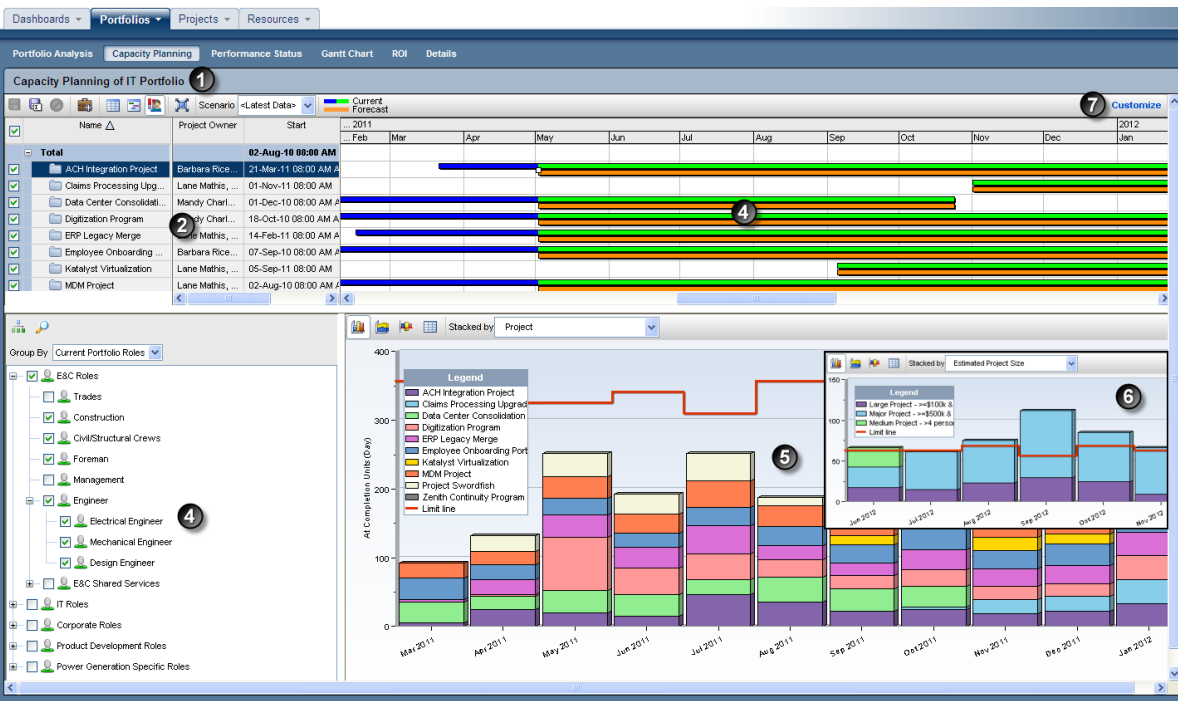


## Caution with Digital

- It doesn't guarantee efficiency
- May undermine LPS principles
- Automating processes can hide truths
- Single user interaction diminishes engagement
- Can be intimidating
- Non-physical erodes ownership

## Opportunity

- Immediately understandable
- Familiar artefacts
- Provide space efficiency value
- Maintain LPS principles
- Enable conversations and value addition
- Ubiquitous access
- Continuous improvement through data analysis and reporting



# Last Planner® System and Nialli Visual Planner

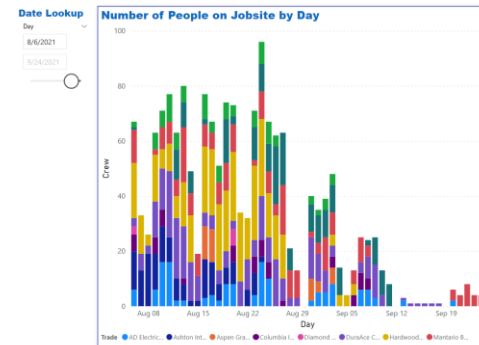
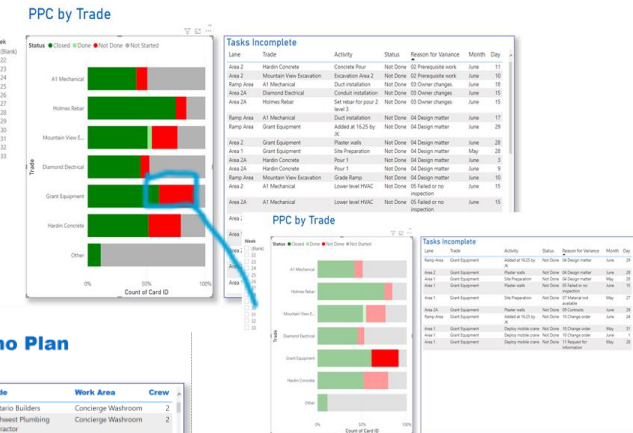
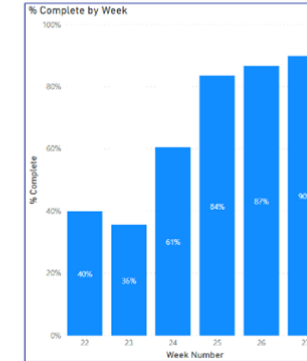
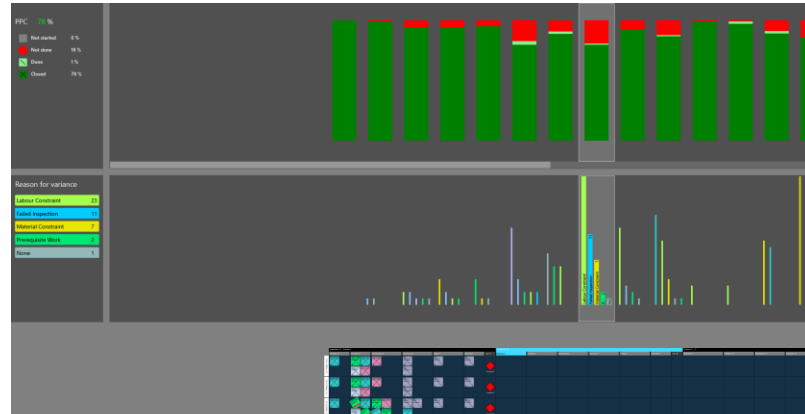


Last Planner® System			Nialli Visual Planner
SHOULD	Master Scheduling	Set milestones	Import milestones into Visual Planner Incorporate Activity ID from Master Schedule to Phase plan
	Phase Planning	Specify handoffs	Refine scope, sequence and duration, and handoffs Transition phase to weekly plan
CAN	Lookahead Planning	Make ready & launch replanning when needed	Review 6-week look-ahead, constraints Identify dependencies, resolve constraints
WILL	Weekly Work Planning	Promise	Weekly status, planning sessions – big room & remote Coordination of activities
DID	Learning	Measure PPC & act on reasons for failure to keep promises	Review PPC and reasons for variance Identify areas for improvement  Analyze plan data Compare plan to master schedule

## niali™









# In the field

“The Cancer Centre project remains on time and on budget”

“Working face to face is 30% more efficient than being remote”

“1 hour planning sessions now take 30 minutes”



Calgary Cancer Centre



SCL Health



Disney Polynesian Resort



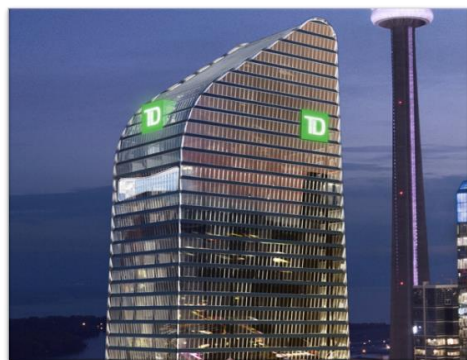
Toronto Transit



Wawanesa Insurance



ConRAC at LAX



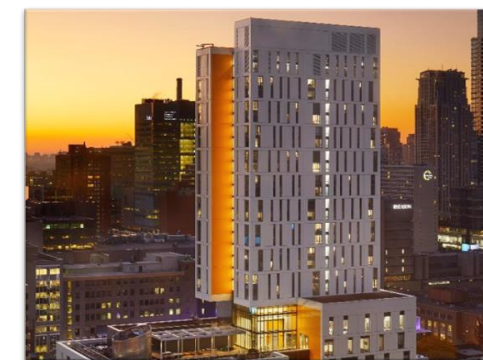
160 Front St. W



St. Paul's Hospital



Strathmore Municipal



Ryerson University

### **Digital transformation of the Last Planner System®:**

- is strategic and operational change
- is going to influence how we practice pull planning
- does not have to erode LPS people centred principles
- provides a platform for new, innovative improvements

**Questions?**

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**See you at LCI Congress...booth 408**