

Using Smart Instrumentation During Covid-19 Pandemic



SMART INSTRUMENTATION REMOTE WORK SHARING

FLUOR[®]

John Dressel
Fluor SI SME

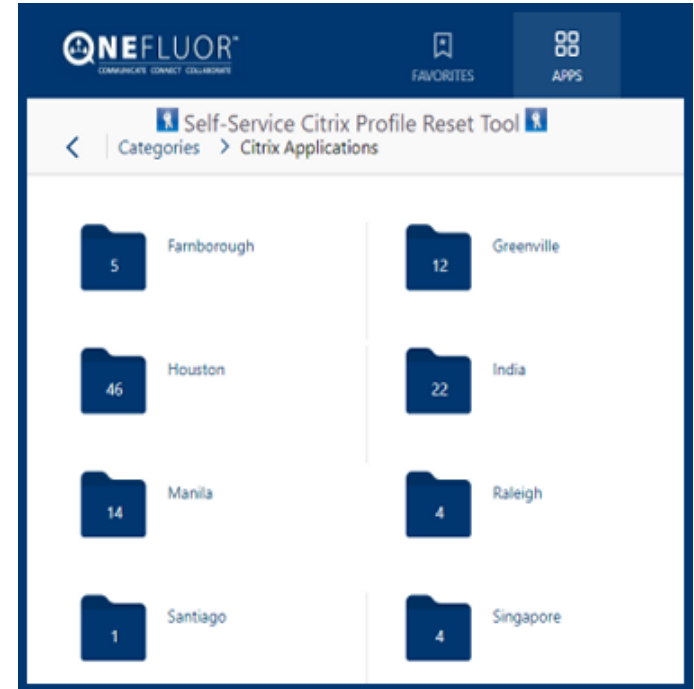
Smart Instrumentation Covid-19 Remote Work Sharing

- Smart Instrumentation is fully capable of Remote Work Sharing
 - Smart Instrumentation is web enabled
 - Most companies already use Smart Instrumentation across multiple offices
 - Most users have the connectivity to use Smart Instrumentation from Home
- The Covid-19 Pandemic triggered in increase in Smart Instrumentation Remote Work Sharing
 - Most companies had to shutdown offices to comply with quarantine requirements
 - Many users self quarantined during the pandemic for their personal safety



Smart Instrumentation Remote Work Sharing Productivity

- A study by Logitech indicated that workers were 70% productive before and 81% during the pandemic
- Why are remote workers actually more productive as their office-based counterparts?
 - Users are already accustomed to using Citrix for access to Smart Instrumentation
 - Eliminating commuting gives users 24-7 access time to Smart Instrumentation from home
 - Because they were in lockdown, users tended to spend more time in Smart Instrumentation
- A project with over 2000 loops and 120 DN segments were rewired and all documents generated remotely by only 4 Smart Instrumentation users in 6 months



Smart Instrumentation Remote Work Sharing Issues

- Remote Work Sharing Smart Instrumentation users have some challenges:
 - Background noise and interruptions
 - Internet connectivity and speed
 - Home office and / or desk space
 - Seating and ergonomics issues
 - Computer and equipment issues
 - Lack of engagement with other users
 - No interaction with office management
 - Self management and organizational discipline



Smart Instrumentation Remote Work Sharing Solutions

- **Home Office** – Users should try to have privacy with a suitable desk or table with a good chair and stick as close to their normal work hours as possible
- **Equipment** – Company provided Laptop, ISP router, docking station with dual monitors is preferred
- **Engagement** – Users should use email, instant messaging and video conferencing to connect with the company and other users. Management needs to included in all communications
- **Connectivity** – Users should use Citrix to connect to a cloud hosted Smart Instrumentation database. Slow connections can be resolved by using remote connections to computers located near the database loaded with a local Smart Instrumentation Client



Smart Instrumentation Remote Work Sharing is Here to Stay

- The shift to remote work sharing was driven by short-term necessity but will probably result in long-term changes.
- Most companies were already using global work sharing prior to the pandemic
- Companies discovered that user productivity was not negatively impacted during the pandemic
- Even with a vaccine it could be years before we are have Covid-19 completely under control
- Advances in technology have created a global functional Smart Instrumentation remote work sharing environment that has become the norm



Smart Instrumentation During Covid-19 Pandemic

Stay Well Everyone!



“The Covid-19 Pandemic is a global issue that requires global solutions.” ~ John Dressel, Fluor SI SME

FLUOR[®]