



Potential Topics to Discuss

There is an endless number of topics to discuss with Carlson/CAD, but only so much material can be covered over the course of this webinar series. Below is a list of topics in a generic Senior Mine Design Project in which Carlson may be helpful. This list is by no means all inclusive, but is merely intended to generate questions. If a topic is not listed, but you would like to discuss it, please ask!

- | | |
|--|--|
| <ul style="list-style-type: none">• Basic CAD use<ul style="list-style-type: none">○ Commonly used commands○ Layer control/visibility○ Working with multiple viewports• Location of the Project<ul style="list-style-type: none">○ Topography import/creation○ Property lines○ Aerial imagery○ Coordinate projections• Exploration/Geology<ul style="list-style-type: none">○ Drillhole data format○ Drillhole import○ Drillhole annotation/visualization○ Drillhole interpolation○ Grid/TIN files○ Block modeling○ Contour maps○ Cross sections○ Reserve estimation/classification○ Special cases<ul style="list-style-type: none">• Faults• Seam splitting• Pinchout• Underground Mine Plan<ul style="list-style-type: none">○ Panel layout○ Panel sequencing○ Subsidence calculation○ Old works mapping | <ul style="list-style-type: none">• Surface Mine Plan<ul style="list-style-type: none">○ Pit layout/calculation○ Pit sequencing○ Ultimate pit calculation○ Blast pattern layout○ Dragline range diagrams○ Dozer push calculations○ Spoil pile design○ Stockpile calculation• Mine Scheduling<ul style="list-style-type: none">○ Equipment rates○ Working calendars○ Precedence rules○ Mine timing○ 3D visualization of mine progression• Surface Facilities<ul style="list-style-type: none">○ Haul road design○ Building footprints• Materials Handling<ul style="list-style-type: none">○ Haul cycle analysis○ Conveyor profile• Environmental Impacts<ul style="list-style-type: none">○ Valley fills○ Impoundments○ Watershed analysis○ Pond design○ Reclamation |
|--|--|